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AIR QUALITY MONITORING REPORT ONTARIO 1977

VOL.1



Ministry of the Environment

Hon. Harry C. Parrott, D.D.S., Minister

Environment Graham W. S. Scott,
Deputy Minister

Introduction

This report, Volume 1, contains a summary of 1977 air quality data obtained by continuous monitoring instruments operated by the Ministry of the Environment at 96 locations across Ontario. In addition, a summary of sulphur dioxide data from 47 stations operated by Ontario Hydro in the vicinity of their power generating stations has been included.

As in previous years, the monthly summaries of hourly data are given in the remaining four volumes of this report: Volume 2, sulphur dioxide data from 67 stations; Volume 3, soiling index data from 56 stations; Volume 4, carbon monoxide, hydrocarbons, ozone and total reduced sulphur from 19, 15, 23, and 11 stations respectively; Volume 5, the oxides of nitrogen NO, NO_2 , and NO_x from 17, 20, and 17 stations respectively.

Sampling Stations:

Table 1, lists the stations in the Ontario monitoring network with continuous sampling instruments. The first seven columns give the name of the region, the station identification number and address, its bearing on the Universal Transverse Mercator (UTM) Grid, the height of the station above mean sea level, and the height of the air intake above ground. The last seven columns indicate which of the pollutants, total reduced sulphur (S), sulphur dioxide (SO₂), soiling index (COH), ozone (O₃), carbon monoxide (CO), hydrocarbons — total or reactive (HC), nitrogen dioxide (NO₂), nitric oxide (NO), and nitrogen oxides (NO_x), are being monitored at that station.

The largest number of stations in a region is 24 in the Central Region. The most monitoring instruments (94) are also found in the Central Region. Figure 1 shows the general location of the sampling stations across Ontario as well as the number in each region and city. Figures 2, 3, 4, and 5 show the locations of the sampling stations in Toronto, Hamilton, the Sudbury area, and Windsor respectively.

Criteria for Desirable Ambient Air Quality

Table 2, outlines the Criteria for Desirable Air Quality in Ontario for those contaminants reported in this report. The criteria are given in units of parts per million by volume and micrograms per cubic meter of air for the sampling time appropriate for each contaminant; 1 hour, 8 hours, 24 hours, or 1 year. The unit for soiling index, a measure of suspended particulate matter, is Coefficient of Haze (COH) per 1000 feet of air sampled.

These criteria serve as a convenient yardstick by which the Province may estimate its success in achieving goals for desirable ambient air quality.

1977 Measurements

Acquisition and processing of air quality data in Ontario is the responsibility of the Air Quality and Meteorology Section of the Air Resources Branch. The instrumentation, however, has been installed and maintained by the Technical Support Group in each of the six regional offices since the Ministry decentralized many of its operations in 1974.

Data are acquired in two ways. Data from stations in areas which have a publicized Air Pollution Index are telemetered in real-time to the central data acquisition facility in Toronto where they are digitized, stored on magnetic tape, and then computer processed. All other data are recorded locally on analogue charts which are later read and digitized by the Data Analysis Group in Toronto and then processed by computer in the same way as the telemeted data.

In this Volume, the annual summary of hourly readings for each station and contaminant is reported in a single line giving the number of days on which valid data were monitored, the percentile distribution, the arithmetic mean, the maximum 1-hour and 24-hour readings, and, where appropriate, the number of times the air quality criteria were exceeded.

Analyses of Data Sulphur Dioxide (see Table 3)

Inventoried emissions of sulphur dioxide in 1977 were approximately 2.0 million tonnes, of which 1.4 million tonnes were emitted in the primary smelting of nickel, copper, and iron in the Sudbury and Wawa areas. Thermal generating stations are the largest sources of SO₂ in southern Ontario accounting for 0.41 million tonnes annually. The remaining 0.19 million tonnes are emitted by industrial, commercial, and residential fuel users as well as refineries, coke ovens, and other industrial operations. It should be noted, however, that community air quality is, on the long term, affected more by small, nearby sources emitting at low elevations than by large and distant sources emitting from tall stacks.

Of the stations in the Ontario network, four recorded annual average levels above the 1-year criterion of 0.02 ppm. These stations were located in Windsor, Sarnia, Hamilton and Wawa. Fifteen stations reported days exceeding the 24-hour criterion of 0.10 ppm; the 1-hour criterion of 0.25 ppm was exceeded at twenty-six stations.

The highest annual average was recorded at Lucie Pit

in Wawa (0.050 ppm) as was the highest 24-hour average (0.86 ppm) and highest hourly average (1.99 ppm).

One station in the 47 station Ontario Hydro network exceeded the annual criterion; four exceeded the 24-hour criterion. The 1-hour criterion was exceeded at twenty-two locations.

Suspended Particulate Matter Soiling Index (see Tables 4 and 5)

Traditionally, the public has identified air pollution with black or dark smoke. Improved combustion technology and an increase in the use of fuels other than coal has eliminated black smoke as a major pollutant. Fine particles of smoke from combustion and dust from construction, grinding processes, and transportation constitute what is termed "suspended particular matter". The soiling properties of a sample of suspended particulate deposited upon a filter are measured by the reduction of light transmitted through the soiled filter and is related to both the opacity and darkness of the deposit. This evaluation is carried out on 1-hour or 2-hour samples and is known as the soiling index, the Coefficient of Haze (COH) per 1000 feet of air sampled.

The annual average criterion of 0.5 COH/1000 ft. was surpassed at five locations, two in Hamilton, two in Toronto, and one in Windsor. The maximum annual value (0.63) was recorded at North Park in Hamilton. The 24-hour criterion of 1.0 COH/1000 ft. was exceeded at twenty-two stations but only four did so more than ten times during 1976. These were North Park, Hamilton (59), Bathurst-Wilson North York (32), Evans-Arnold, Etobicoke (25), and Barton-Wentworth, Hamilton (24).

Carbon Monoxide (see Table 6)

In terms of total weight and concentration, carbon monoxide leads all other contaminants in city air. Mobile sources, trucks and automobiles, are almost exclusively responsible. Although pollution control equipment has reduced the output per car, the increase in the number of vehicles on many streets has limited the overall reduction.

The highest level of carbon monoxide on an annual average was measured at 67 College St., 2nd Floor, in Toronto with an average of 2.8 ppm. All stations met the 1-hour and 8-hour criteria. The highest reading for one hour occurred at the St. Catharines station — 23 ppm. The highest 8-hour period (11 ppm) came at Lawrence-Kennedy in Scarborough.

Hydrocarbons (see Tables 7 and 8)

Hydrocarbons are emitted naturally from trees and vegetation; they are also emitted by vehicles, gasoline storage tanks, and filling tanks.

Two types of measurements are made of hydrocarbons in Ontario. The first uses flame ionization techniques to measure all hydrocarbons and is reported as total hydrocarbons. Methane, however, does not participate in the number of photochemical reactions which form oxidants. Thus, techniques have been developed to remove the methane fraction from the total hydrocarbon measurement. This measurement has been termed reactive hydrocarbons.

There are no criteria for total or reactive hydrocarbons in Ontario. The highest annual mean level at the fifteen total hydrocarbon monitoring locations was 2.53 ppm at Science Centre, Don Mills, North York. The maximum annual mean level reported from the limited reactive hydrocarbon data was 1.89 ppm at Barton-Wentworth in Hamilton.

Ozone (see Table 9)

Ozone is a naturally occurring constituent of the upper atmosphere. In the lower atmosphere, it is a secondary product of the photochemical reaction among reactive hydrocarbons and nitrogen oxides. In the upper atmosphere ozone plays an important role in the maintenance of life on the ground by absorbing harmful ultraviolet radiation. In the lower atmosphere, however, ozone is detrimental to the health of man and plants as well as enhancing damage to various materials.

Since time is needed for the afore-mentioned photochemical reactions to be completed, ozone is often found some distance from the source of its pollutant precursors. Thus, high concentrations of ozone which occur at rural locations such as Simcoe and Stouffville are not indicative of natural or local sources but the transport and reaction in the presence of adequate sunlight of the ozone precursors from upwind urban sources.

The highest annual average ozone concentrations measured in Ontario were at the rural locations Simcoe (0.034 ppm), Huron Park (0.030 ppm), Orono (0.028 ppm), and Merlin (0.028 ppm). The maximum daily average occurred at Simcoe (0.089 ppm). All but two monitoring stations exceeded the Ontario ozone criterion for one hour of 0.080 ppm. (The two meeting the criterion had limited summer sampling). Three stations exceeded the criterion over 200 times: 471 University Avenue, Windsor (259), Simcoe (212), and Merlin (202). The highest single hour measurement occurred at Orono — 0.176 ppm.

Total Reduced Sulphur (see Table 10)

The first extensive monitoring of total reduced sulphur began in Ontario in 1976. Most of the total reduced sulphur may be found in the form of hydrogen sulphide. In the vicinity of pulp and paper mills and refineries, significant concentrations of mercaptans and other reduced sulphurs may be present, however.

Maximum levels of total reduced sulphur occurred at Portage-Church in Fort Frances for all averaging times. The values were 15.4 ppb for 1 year, 132 ppb for 24 hours, and 480 ppb for 1 hour. Five of the eleven stations had hourly values which exceeded 100 ppb. No criteria have yet been set for total reduced sulphur.

Oxides of Nitrogen (see Tables 11, 12, and 13)

The oxides of nitrogen (NO and NO_2) are generated by natural as well as anthropogenic sources. Nitrogen and oxygen, which are the principal constituents of the atmosphere, combine during high temperature combustion to form nitrogen oxides (NO_x). The high temperature combustion to form nitrogen oxides (NO_x). The main sources of NO_x are automobile exhausts, power plants, incinerators and chemical processes.

No evidence exists that nitric oxide (NO) at the concentrations measured in the atmosphere has any direct adverse effect on health and welfare. Photochemical oxidation of nitric oxide to nitrogen dioxide (NO₂), however, does occur under certain conditions, nitrogen dioxide is known to affect health as well as visibility. The nitrogen oxides also play an important role in the photochemical reactions involving ozone and other oxidants.

The highest annual level of nitrogen dioxide (0.052 ppm) was measured at the Barton-Wentworth site in Hamilton. The highest 24-hour averages (0.15 ppm) were measured at Bathurst-Wilson in North York. The maximum 1-hour concentration (.27 ppm) was measured at the Bathurst-Wilson site. The established criterion for 24-hour average of NO_2 (0.10 ppm) was exceeded at four sites, though none on more than 4 occasions. The hourly criterion was exceeded at one site.

The maximum nitric oxide levels occured at Pharmacy-401, Scarborough for all three averaging times: 0.152 ppm for the year; 0.65 ppm for a day; 1.88 ppm for an hour.

Nitrogen oxides, essentially the sum of the NO and NO₂ levels, were again highest at the Pharmacy-401 site. The annual average was 0.191 ppm, the daily average was 0.70 ppm, and the hourly level reached 2.03 ppm.

The high levels reported at both the Pharmacy-401 and Bathurst-Wilson sites are related to high traffic density near the monitoring locations.

Ontario's Air Pollution Index

An Air Pollution Index (API) based upon the 24-hour average concentration of sulphur dioxide and suspended particulate matter has been in use in Ontario since March 1970. Air Pollution Index stations were established in Toronto and Hamilton in 1970, Sudbury and Windsor in 1971, Welland and Niagara Falls in 1974, Coniston in 1975, New Sudbury in 1976, and Sarnia in 1977. A station opened in 1971 at Happy Valley was discontinued in 1975. The API at all stations have a common basis; at an API of 32, the desirable air quality criteria for sulphur dioxide and soiling index on a 24-hour average are exceeded. When the API exceeds 50, health effects may increase in incidence, especially for the elderly and those with respiratory problems.

At an API of 32 with adverse weather conditions expected for the next 6 hours, suspected offending industries are alerted and may be asked to cut-back on their operations. At an API of 50 with adverse conditions expected for 6 hours, the Minister may order cut-ailment of industrial operations, and a shut-down may be ordered by the Minister if the Index exceeds 100.

Of the nine stations operational in 1977, none exceeded the level of 50, and four exceeded 32. Hamilton was on an advisory alert on ten occasions, Toronto on four occasions, and New Sudbury and Windsor once each.

The history of the Index stations and the number of times the Index equalled or exceeded 32 and 50 for the years 1970 to 1977 are given in Table 14.

Stations with Continuous Sampling Instrumentation (Pollutant data abstracted hourly or two-hourly) Table 1/1977

	MOLTATS	NAME OF	Į ITA/	I GRID	SITE ELE- VATION ABOVE MEAN SEA LEVEL	AIR INTAKE ABOVE GROUND			POI	11174	NT MC	NITO	RED		
REGION	NUMBER		EAST	NORTH		(METRES)	TRS	SO ₂	COH	03	CO	HC	NO ₂	NO	NOX
SOUTH	10001	College of Agric. Tech.,													
WEST	12002	Huron Park City Hall	04600	47931	243	5				x					
	12008	Windsor 467 University Ave.	03323	46867	183	15			×						
	12010	Windsor Manning Road	03316	46867	183	11		x	×	х	×	×	×	×	×
	12013	Pump Station, Windsor Wyandotte St.	03460	46875	182	1 .			×						
	12014	Windsor Univ. Met. Stn.	03358	46874	183	6		×	×						
	12014	College/Calif. St. Windsor	03304	46849	183	1			×						
	12015	Hwy 18-Prospect			4.75										
	12016	Windsor College-South St.	03283	46833	175	4		×	×						
	12032	Windsor Morton Dock	03290	46841	183	4		×	×						
	13021	Windsor MOE Pump, Stn.	03271	46817	1.77	4		×	×						
	14004	Middle Rd., Merlin Hydro SS Concession 14/15	03991	46776	190	3				х					
	14016	Courtright Lambton G.S.	03808	47343	183	3		×							
	1.4040	Hwy. 40 Courtright	03793	47397	180	4		×							
	14049	156 Victoria St. Sarnia	03854	47584	183	4	×	×	x	×	×	×	×	×	×
	14118	PUC Water Pump Stn. Hwy.21 Petrolia	04027	47564	206	4				×					
	15001	King-Rectory London	04818	47595	259	4		×	×	×	×	×	×	×	×
	15003	362 Dundas St. London	04801	47590	251	17		^	x	^		^			
	18001	MacKenzie RR2 Tiverton	04541	49030	220	4	x	×							
WEST	21006		0434)	43030	220	7	•	^							
WEST CENTRA	\L	Post Office Brantford	05597	47763	221	16		x	×						
	22011	Deamude Port Maitland	06188	47494	177	2		x							
	22023	Wray Minor Rd. Port Maitland	06185	47467	177	4		×							
	22071	Experimental Farm Simcoe	05597	47449	236	4		×		×		×	×	×	×
	26001	Public Utilities Substation, Waterloo	05397	48128	336	2			×						
	26029	Edna/Frederick St. Kitchener	05427	48116	325	5		×	×	×	×		×		
	27013	PS Victoria/Leader Niagara Falls	06570	47752	175	5		×	×						
	27027	PS 301 Beatrice St. Welland	06432	47587	183	3		×	×						
	27037	North/Geneva St. St. Catharines	06431	47805	107	5		×	×	×	×	×	x		
	27038	Rosehill/MacDonald Fort Erie	06649	47495	178	4		×							
	29001	Hughson-Main Hamilton	05918	47894	99	9			×						
	29008	North Park Hamilton	05984	47927	79	3	x	×	x			×	×	×	×

Table 1/1977 - Continued . . .

					SITE ELE- VATION ABOVE MEAN SEA										
		NAME OF		GRID	LEVEL	GROUND					NT MC				
REGION	NUMBER	STATION	EAST	NORTH	(METRES)	(METRES)	TRS	SO ₂	СОН	O ₃	co	HC	NO ₂	NO	NOX
WEST CENTRA		Kenilworth-Roxborough Hamilton	05967	47884	92	9			×						
	29012	Burlington-Wellington Hamilton	05931	47914	84	4			×						
	29015 29017	Merrick St. Hamilton Chatham-Frid	05917	47900	92	17			×						
	29025	Hamilton Barton-Wentworth	05898	47896	99	5			×						
	29026	Hamilton Brampton-Woodward	05939	47900	92	4	×	x	×	×	×	×	×	×	×
	29067	Hamilton 450 Hughson St.	05996	47895	84	4		×							
	29080	Hamilton City Hall	05925	47913	84	5			×						
		Hamilton	05914	47895	107	9		×							
CEN- TRAL	31001	67 College St.,5th floor Toronto	06300	48352	104	20		×	×	×	×	×	×	×	×
	31090 31105	67 College St., 2nd floor Toronto Sherbourne/Wilton	06300	48352	104	4					×				
	33002	Toronto Pharmacy-Hwy. 401	06317	48338	76	5		×	×	×	×		×	×	×
	33003	Scarborough Lawrence-Kennedy	06357	48473	175	2		×	×		×	×	×	×	×
	33019	Scarborough Met. Branch, Scar, Bluffs	06389	48452	168	3		×	×	×	×	×	×	×	×
	34002	Scarborough Science Centre	06422	48411	152	3		×	×						
	34007	Don Mills, North York Bathurst-Wilson	06338	48419	107	9		×	×	×	×	x	×	×	×
	35003	North York Elmcrest Rd.	06261	48437	214	2		x	×		x	x	×	×	×
	35005	Etobicoke Queenway Hospital	06142	48338	152	4		×	×	×	x	x	×	×	×
	35008	Etobicoke 22-36th St.	06159	48293	107	9		x	x						
	35033	Etobicoke Evans-Arnold	06190	48281	92	2 3		25	×				***		
	35050	Etobicoke MOE Lab.	06192	48302	107	3		×	×	x	х	х	х	×	×
	44007	Resources Road Etobicoke 2037 Pine	06175	48405	152	18		x	×						
	44010	Burlington 1298 Rebecca St.	05975	47975	79	6		×	×						
	46025	Oakville Public Library	06053	48078	92	5		x	x	×	x	×	x	×	×
	46033	Mississauga Fire Hall	06115	48257	137	5			x						
	46100	Bramalea Public School	06053	48398	198	4			×						
	47020	Green Glade Rd. Mississauga	06124	48187	92	11			x						
	47030	Muck Res. Stn. Hwy. 400/Canal Rd. Holland Marsh	06124	48772	214	4				×					
	47040	Police Stn. 65 Vespra Rd.													
	48002	Barrie MTC Yard	06038	49149	229	12		×	×						
	58025	Stouffville Natural Res. Bldg.	06391	48694	259	4		x	×	×					
		Orono	06907	48712	149	9				×					

Table 1/1977 - Continued . . .

	STATION	NAME OF	LITA	1 GRID	SITE ELE- VATION ABOVE MEAN SEA LEVEL	AIR INTAKE ABOVE GROUND			POI	LUTA	NT MO	ONITO	RED		
REGION	NUMBER		EAST	NORTH			TRS	SO ₂		03	CO	HC	NO ₂	NO	NOX
CEN-	59006	City Hall												170000	
TRAL		500 George St. Peterborough	07137	49095	198	18		×	×						
	59055	I.E. Weldon H.S. Riverview Rd./Hwy.36 Lindsay	06807	49141	262	12	×		×						
SOUTH	51001	McDonald Gdns. Ottawa	04471	50312	61	4		×	×	x	×	×	×		
	52018 52020	1055 Princess St. Kingston Churchill Park	03788	48990	82	15			x						
	56051	Napier St., Kingston Memorial Park	03795	48986	82	5		×	x						
	56068	Cornwall 435 Second St. W.	05208	49846	61	4	×	×	x	×	×		×	×	×
		Cornwall	05205	49845	66	6	×								
NORTH WEST	61010 61026	Lassie/Dickenson Rds. Balmertown 56 King St.	04480	56670	381	3		×							
	61026	Dryden	05117	55140	366	5	×								- 4
	62030	Portage/Church Fort Frances	04708	53838	336	4	×								
	62032 63012	Cemetery Colonization Rd Fort Frances Dawson Court	04697	53841	336	5	×								
	63040	Thunder Bay 435 James Street	03372	53686	213	9		×							
	63046	Thunder Bay Montreal St.	03302	53607	189	15		×	×						
		Thunder Bay	03298	53584	191	15	×								
NORTH EAST	71001	29 Hillcrest Ave. Wawa Goudreau	06655	53186	305	4		×							
	71002	Algoma District Lucie Pit Algoma	06835	53478	358	4		×							
	71049	Ore, Wawa Land Registry Office,	06734	53270	381	6		×							
	75016	Sault Ste. Marie Dept. of Transport	07047	51543	190			×	×						
	75020	Verner Teacher's College	05668	51405	214	15		×							
	77001	North Bay Penage Sudbury Dist.	06185 04730	51297 51250	206 250	3		×	x						
	77009	Burwash Sudbury Dist.	05144	51288	229	3		×							
	77010	Callum Sudbury Dist.	05270	51525	250	3		×							
	77012	Skead Sudbury Dist.	05186	51678	274	3		×							
	77013	Hanmer Sudbury Dist.	05041	51663	290	3		×							
	77014	Rayside Sudbury Dist.	04930	51600	250	3		×							
	77016 77017	Ash Street Sudbury Morgan	04994	51486	290	3		×	×	×	×	×	×	×	×
	77018	Sudbury Dist. St. Charles	04810	51637	274	3		×							
		Sudbury Dist.	05449	51343	290	3		×							

able 1/1977 — Continued . . .

			-		SITE ELE- VATION ABOVE MEAN SEA	AIR INTAKE ABOVE				-					
	STATION	NAME OF	UTN	IGRID	LEVEL	GROUND			POL	LUTA	NT MO	OTING	RED		
EGION	NUMBER	STATION	EAST	NORTH	(METRES)	(METRES)	TRS	SO ₂	сон	O ₃	СО	HC	NO ₂	NO	NOX
IORTH	77019	Grassy Lake													
AST		Sudbury Dist.	05536	51854	259	3		×							
	77026	19 Lisgar St.													
		Sudbury	05006	51485	274	14			×						
	77028	Government/Edward													
		Coniston	05118	51480	244	5		×	×						
	77052	Lockerby													
		Sudbury Airshed	04999	51444	274	5		×							
	77065	Falconbridge Rd.													
		Sudbury	05109	51559	290	5		x							
	77066	Temagami													
		Sudbury Airshed	05704	52022	296	5		×							
	77067	Chiniguchi													
		Sudbury Airshed	05264	52013	317	5		×							
	77075	Kennedy St.		Name of Street	12020										
		New Sudbury	05044	51520	262	5		×	x						

able 2/1977 criteria for Desirable Air Quality. O. Reg. 872/74

	COLUMN 1	COLUMN 2	COLUMN 3	COLUMN 4	COLUMN 5
ГЕМ	NAME OF CONTAMINANT	UNIT OF MEASUREMENT	AVERAGE AMOUNT CONCENTRATION OR TOTAL AMOUNT OF CONTAMINANT	PERIOD OF TIME	APPROXIMATE EQUIVALENT AT 10° C AND 760 mm Hg PRESSURE
3	Carbon Monoxide	Parts of carbon monoxide per one million parts of	30	1 hour	36,200 ug/m ³
		air by volume	13	8 hours	$15,700 \text{ ug/m}^3$
16	Nitrogen Dioxide	Parts of nitrogen dioxide per one million parts	0.20	1 hour	400 ug/m ³
		of air by volume	0.10	24 hours	200 ug/m ³
18	Ozone	Parts of ozone per one million parts of			
		air by volume	0.08	1 hour	165 ug/m ³
19	Soiling	Coefficient of Haze	1.0	24 hours	
		per 1000 feet of air	0.5	1 year	
21	Sulphur Dioxide	Parts of sulphur dioxide	0.25	1 hour	690 ug/m³
		per one million parts of air by volume	0.10 0.02	24 hours 1 year	275 ug/m³ 55 ug/m³

able 3/1977 Summary of Data: Sulphur Dioxide (all values in p.p.m.)

Ontario Criteria — 1 Hour Average: 0.25 p.p.m.; 24-Hour Average: 0.10 p.p.m.; 1 Year Average: 0.02 p.p.m.

	STATION		NO. OF	Walter	P	ERCE	NTIL	ES		ARITH- METIC		CIMUM		BER OF T	
REGION	NUMBER	LOCATION	DAYS	10	30	50	70	90	99	MEAN	1 HR.	24-HR.	1 HR.	24-HR.	1 YEAR
OUTH /EST	12008 12013	467 University Ave. Windsor Wyandotte St.	354	.000	.006	.013	.023	.041	.084	.022	.22	.06	NIL	NIL	1
	12015	Windsor Hwy. 18-Prospect	312	.000	.000	.005	.013	.029	.065	.014	.18	.08	NIL	NIL	NIL
		Windsor	276	.000	.000	.007	.016	.033	.068	.016	.30	.06	1	NIL	NIL

Table 3/1977 — Continued . . .

	STATION		NO. OF			ERCE				ARITH- METIC		CIMUM	ABC	BER OF	
REGION	NUMBER	LOCATION	DAYS	10	30	50	70	90	99	MEAN	1 HR.	24-HR.	1 HR.	24-HR.	1 YEAR
SOUTH WEST	12016	College-South St. Windsor	362	.000	.000	.006	.013	.030	.074	.015	.22	.06	NIL	NIL	NIL
	12032 14004	Morton Dock Windsor	321	.000	.003	.010	.018	.033	.070	.018	.28	.05	1	NIL	NIL
		Hydro SS Concession 14/15 Courtright	325	.000	.000	.000	.002	.017	.068	.007	.37	.07	2	NIL	NIL
	14016 14049	Lambton G.S. Hwy. 40 Courtright 156 Victoria St.	336	.000	.003	.008	.017	.034	.091	.018	.25	.07	·NIL	NIL	NIL
	15001	Sarnia King-Rectory	352	.000	.002	.007	.016	.059	.155	.023	.28	.13	4	3	1
	18001	London MacKenzie RR2	343	.000	.000	.003	.008	.018	.043	.010	.15	.04	NIL	NIL	NIL
	18001	Tiverton	339	.000	.000	.000	.000	.000	.000	.000	.06	.00	NIL	NIL	NIL
WEST CENTRAL	21006	Post Office Brantford	308	000	.000	000	003	013	036	.006	.09	.05	NIL	NIL	NIL
	22011	Deamude Port Maitland	296		.000					.011	.37	.08	1	NIL	NIL
	22023	Wray Minor Rd. Port Maitland	187		.000					.014	.12	.07	NIL	NIL	NIL
	22071	Experimental Farm Simcoe	308	.000		.004				.011	.15	.09	NIL	NIL	NIL
	26029	Edna/Frederick St. Kitchener	317	.000		.000				.007	.08	.04	NIL	NIL	NIL
	27013	PS Victoria/Leader Niagara Falls	351		.000					.008	.10	.05	NIL	NIL	NIL
	27027	PS 301 Beatrice St. Welland	365		.003					.018	.19	.08	NIL	NIL	NIL
	27037	North/Geneva St. St. Catharines	295		.000					.007	.11	.05	NIL	NIL	NIL
	27038	Rosehill/MacDonald Fort Erie	276	.000		.007				.015	.14	.08	NIL	NIL	NIL
	29008	North Park Hamilton	353	.000	.001					.017	.15	.08	NIL	NTL	NIL
	29025	Barton-Wentworth Hamilton	363	.000	.006	.013	.020	.044	.099	.023	.17	.08	NIL	NIL	1
	29026	Brampton-Woodward Hamilton	244	.000	.000	.002	.009	.020	.064	.011	.18	.08	NIL	NIL	NIL
	29080	City Hall Hamilton	286	.000	.002	.008	.016	.031	.078	.017	.16	.11	NIL	1	NIL
CENTRAL	31001	67 College St., 5th floor	0.05						0=4				****	*	
	31105	Toronto Sherbourne/Wilton St.	365		.000					.014	.20	.08	NIL	NIL	NIL
	33002	Toronto Pharmacy - Hwy . 401	141 350		.000					.012	.11	.04	NIL	NIL NIL	NIL
	33003	Scarborough Lawrence-Kennedy Scarborough	352		.000					.013	.16		NIL	NIL	NIL
	33019	Met. Branch Scar. Bluffs Scarborough	356		.000					.012	.10	.07	NIL	NIL	NIL
	34002	Science Centre Don Mills, North York	183		.000					.009	.10	.05	NIL	NIL	NIL
	34007	Bathurst-Wilson North York	352		.000					.013	.24	.11	NIL	1	NIL
	35003	Elmcrest Rd. Etobicoke	349		.000					.011	.41	.07	3	NIL	NIL
	35005	Queensway Hospital Etobicoke	349		.000					.011	.17	.07	NIL	NIL	NIL
	35033	Evans-Arnold Etobicoke	333		.000					.010	.14	.07	NIL	NIL	NIL
	35050	MOE Lab., Resources Rd. Etobicoke	342		.000					.011	.29	.08	1	NIL	NIL
	44007	2037 Pine Burlington	302		.000					.011	.12	.08	NIL	NIL	NIL
		A CONTRACTOR OF THE CONTRACTOR	Annahit of												

Table 3/1977 — Continued . . .

	STATION		NO. OF		PI	ERCF	NTIL	ES		ARITH-		XIMUM		BER OF T	
REGION	NUMBER	LOCATION	DAYS	10	30	50	70	90	99	MEAN	1 HR.		1 HR.	24-HR.	1 YEAR
CENTRAL	44010 47040	1298 Rebecca St. Oakville Police Station	346	.000	.000	.001	.007	.017	.047	.009	.23	.07	NIL	NIL	NIL
	48002	65 Vespra Rd. Barrie MTC Yard	121	.000	.000	.000	.004	.010	.034	.006	.09	.04	NIL	NIL	NIL
	59006	Stouffville City Hall	287	.000	.000	.000	.004	.010	.037	.006	,12	.06	NIL	NIL	NIL
		500 George St. Peterborough	334	.000	.000	.000	.000	.009	.039	.004	.10	.05	NIL	NIL	NIL
SOUTH EAST	51001	McDonald Gdns. Ottawa	307	.000	.000	.004	.011	.027	.058	.012	.14	.07	NIL	NIL	NIL
	52020	Churchill Park Kingston	329	.000	.000	.000	.005	.022	.058	.008	.10	.05	NIL	NIL	NIL
	56051	Memorial Park Cornwall	323	.000	.001	.008	.016	.035	.091	.017	.48	.08	1	NIL	NIL
NORTH WEST	61010	Lassie/Dickenson Rds. Balmertown	111	.000	.000	.000	.000	.000	.313	.010	.56	.22	31	2	NIL
	63012	Dawson Court Thunder Bay	186	.000	.000	.000	.000	.000	.010	.001	.11	.02	NIL	NIL	NIL
	63040	435 James Street Thunder Bay	326	.000	.000	.000	.000	.000	.026	.002	.13	.02	NIL	NIL	NIL
NORTH EAST	71001	29 Hillcrest Ave. Wawa	348	.000	.000	.000	.000	.000	.231	.010	1.90	.26	77	6	NIL
	71002	Goudreau Algoma District	131	.000	.000	.000	.000	.051	.201	.016	.59	.15	17	1	NIL
	71038	Lucie Pit Algoma Ore Wawa	161	.000	.000	.000	.000	.104	.998	.050	1.99	.86	247	21	1
	71049	Land Registry Office Sault Ste. Marie	266	.000	.000	.000	.005	.015	.035	.007	.15	.04	NIL	NIL	NIL
	75016	Dept. of Transport Verner	356	.000	.000	.000	.002	.014	.046	.006	.22	.04	NIL	NIL	NIL
	75020	Teacher's College North Bay	329	.000	.000	.000	.003	.015	.044	006	.13	.04	NIL	NIL	NIL
	77001 77009	Penage Sudbury Dist. Burwash	360	.000	.000	.000	.000	.000	.070	.003	.71	.09	12	NIL	NIL
	77010	Sudbury Dist. Callum	346	.000	.000	.000	.000	.015	.097	.006	.56	.05	8	NIL	NIL
	77012	Sudbury Dist. Skead	361	.000	.000	.000	.003	.017	.119	.009	.59	.06	13	NIL	NIL
	77013	Sudbury Dist. Hanmer	358	.000	.000	.000	.000	.022	.376	.017	1.32	.34	161	9	NIL
	77014	Sudbury Dist. Rayside	345	.000	.000	.000	.000	.020	.194	.011	.94	.18	62	3	NIL
	77016	Sudbury Dist. Ash Street	360		.000					.006	1.31	.12	21	2	NIL
	77017	Sudbury Morgan	364						.152		.72	.08	25	NIL	NIL
	77018	Sudbury Dist. St. Charles	360						.082		1.45	.15	12	1	NIL
	77019	Sudbury Dist. Grassy Lake	361		.000					.004	.26	.03	1	NIL	NIL
	77028	Sudbury Dist. Government/Edward	160						.075		.23	.04	NIL	NIL	NIL
	77052	Coniston Lockerby	364						.188		.70	.13	55	1	NIL
	77065	Sudbury Dist. Falconbridge Rd.	337						.139	.008	.83 .87	.14	19 57	2	NIL NIL
	77066	Sudbury Temagami Sudbury Airchad	342 147		.000					.004	.07	.03	NIL	NIL	NIL
	77067	Sudbury Airshed Chiniguchi	147						.103		.52	.03	3	NIL	NIL
		Sudbury Airshed	135	.000	.000	.000	.003	.020	.103	.009	,52	.07	3	INIL	MIL

Table 3/1977 — Continued . . .

	STATION		NO. OF		Р	ERCE	NTIL	ES		ARITH- METIC	MAX	KIMUM		BER OF T	
REGION	NUMBER	LOCATION	DAYS	10	30	50	70	90	99			24-HR.	1 HR.	24-HR.	1 YEAR
	77075	Kennedy Rd. New Sudbury	358	.000	.004	.009	.016	.038	.195	.023	1.19	.15	50	2	NIL
		1.1 km NNE Keith G.S. 1.3 km NE	114	.000	.006	.013	.023	.046	.098	.020	.36	.05	1	NIL	NIL
		Keith G.S. 1.6 km SE	158	.004	.012	.021	.036	.067	.129	.030	.27	.10	1	NIL	1
		Keith G.S. 1.8 km SSE	126	.001	.007	.014	.024	.045	.096	.020	.28	.06	1	NIL	NIL
		Keith G.S. 0.4 km S	136	.000	.004	.009	.018	.036	.082	.015	.28	.04	2	NIL	NIL
		Keith G.S. 7.1 km NE	149	.000	.004	.011	.021	.036	.083	.016	.42	.06	1	NIL	NIL
		Lambton G.S. 8.2 km ENE	225		.001					.012	.31	.06	1	NIL	NIL
		Lambton G.S. 5.0 km ESE	318		.000					.010	.23	.08	NIL	NIL	NIL
		Lambton G.S. 7.8 km SE	253		.000					.012	.30	.06	2	NIL	NIL
		Lambton G.S. 7.3 km SSE	320		.001					.009	.30	.04	2	NIL	NIL
		Lambton G.S. 6.7 km NNE	313		.000					.010	.44	.05	7	NIL	NIL
		Lakeview G.S. 4.7 km ENE	334		.004					.014	.28	.12	1	1	NIL
		Lakeview G.S. 1.6 km W	291		.002					.011	.32	.11	5	2	NIL
		Lakeview G.S. 6.6 km W	338		.002					.008	.22	.05	NIL	NIL	NIL
		Lakeview G.S. 5.9 km NW	301		.002					.010	.42	.09	6 1	NIL NIL	NIL NIL
		Lakeview G.S. 5.7 km NNW Lakeview G.S.	337 331		.002					.012	.58	.07	4	NIL	NIL
		9 km N Hearn G.S.	352		.003					.012	.25	.10	NIL	NIL	NIL
		12 km NE Hearn G.S.	297		.000					.007	.18	.08	NIL	NIL	NIL
		8 km ENE Hearn G.S.	331	.000	.004	.009	.015	.030	.079	.013	.22	.10	NIL	NIL	NIL
		15 km W Hearn G.S.	288	.000	.002	.005	.010	.023	.109	.011	.32	.11	5	1	NIL
		7 km NNW Hearn G.S.	307	.000	.003	.007	.013	.028	.085	.012	.19	.08	NIL	NIL	NIL
		4.5 km N Thunder Bay G.S.	318	.000	.000	.000	.002	.007	.028	.003	.12	.02	NIL	NIL	NIL
		4.8 km W Thunder Bay G.S.	337	.000	.000	.001	.003	.010	.031	.004	.23	.03	NIL	NIL	NIL
		5.6 km W Thunder Bay G.S. 3.5 km NW	168	.000	.000	.000	.000	.010	.025	.004	.28	.04	1	NIL	NIL
		Thunder Bay G.S. 8.5 km NW	256	.000	.000	.000	.002	800.	.033	.003	.30	.03	1	NIL	NIL
		Thunder Bay G.S. 8.9 km N	328	.000	.000	.000	.001	.004	.016	.001	.17	.01	NIL	NIL	NIL
		Lennox G.S. 6.8 km NE	334	.000	.000	.000	.003	800.	.026	.003	.15	.03	NIL	NIL	NIL
		Lennox G.S. 9.9 km SW	254	.000	.000	.002	.005	.014	.037	.005	.11	.03	NIL	NIL	NIL
		Lennox G.S. 9.8 km W	324	.000	.000	.002	.005	.012	.038	.005	.07	.05	NIL	NIL	NIL
		Lennox G.S. 9.0 km NW	320	.000	.000	.000	.001	.010	.027	.003	.05	.03	NIL	NIL	NIL
		Lennox G.S. 8 km N	315	.000	.000	.001	.004	.012	.040	.004	.11	.04	NIL	NIL	NIL
		Nanticoke G.S.	345	.000	.000	.002	.005	.015	.055	.006	.22	.06	NIL	NIL	NIL

'able 3/1977 - Continued . . .

	STATION		NO. OF		PI	RCE	NTIL	ES		ARITH- METIC	MAX	IMUM		BER OF T	
REGION	NUMBER	LOCATION	DAYS	10	30	50	70	90	99	MEAN	1 HR.	24-HR.	1 HR.	24-HR.	1 YEAR
		15 km N													
		Nanticoke G.S.	325	.000	.000	.002	.007	.028	.090	.009	.19	.11	NIL	1	NIL
		9 km NNE													
		Nanticoke G.S.	334	.000	.000	.002	.004	.014	.048	.005	.29	.08	3	NIL	NIL
		15 km NNE													
		Nanticoke G.S.	319	.000	.000	.002	.005	.017	.063	.007	.25	.06	NIL	NIL	NIL
		17 km NNE													
		Nanticoke G.S.	355	.000	.000	.002	.005	.015	.061	.006	.37	.07	3	NIL	NIL
		10 km NE													2000
		Nanticoke G.S.	328	.000	.000	.002	.008	.020	.077	.008	.25	.07	NIL	NIL	NIL
		19 km NE			ě										
		Nanticoke G.S.	351	.000	.000	.002	.006	.018	.063	.007	.17	.06	NIL	NIL	NIL
		11 km ENE	00.00	40.00	10 10-10-1	-01 60/60	0.12600	50 N W	27947007	270.0	2700		2000	412/2/20	W-1-14
		Nanticoke G.S.	318	.000	.000	.002	.005	.017	.066	.006	.17	.08	NIL	NIL	NIL
		19 km ENE											27.7		20.00
		Nanticoke G.S.	333	.000	.000	.003	.007	.018	.051	.007	.15	.05	NIL	NIL	NIL
		5 km E		000		000	000	040	005	007		05	K.011	KICI	K111
		Nanticoke G.S.	307	.000	.000	.002	.006	.019	.065	.007	.19	.05	NIL	NIL	NIL
		13 km W	343	000	.000	000	002	016	060	.005	.17	.05	NIL	NIL	NIL
		Nanticoke G.S. 3 km WNW	343	.000	.000	.000	.002	.010	.000	.005	.17	.05	INIL	INIL	INIL
		Nanticoke G.S.	337	000	.000	001	004	013	057	.005	.21	.07	NIL	NIL	NIL
		20 km WNW	337	.000	.000	.001	.004	.013	.057	.000	.21	.07	INIL	INIL	1412
		Nanticoke G.S.	308	000	.000	002	006	016	053	.006	.14	.07	NIL	NIL	NIL
		8 km NNW	500	.000	.000	.002	.000	.010	.000	.000		.07			
		Nanticoke G.S.	322	.000	.000	.001	.006	.018	.069	.007	.59	.08	3	NIL	NIL
		11 km NNW												100000	
		Nanticoke G.S.	348	.000	.001	.002	.005	.015	.055	.006	.30	.08	1	NIL	NIL
		15 km NNW													
		Nanticoke G.S.	275	.000	.000	.002	.007	.019	.065	.007	.36	.09	1	NIL	NIL

Table 4/1977 Summary of Data: Soiling Index — 1 hour (all values are in COH's/1,000 ft.)
Ontario Criteria — 24-Hour Average—1.0 COH's/1,000 ft. 1 Year Average—0.5 COH's/1,000 ft.

	STATION		NO. OF		P	ERCE	NTILE	S		ARITH- METIC		IMUM	NUMBER ABOVE O	OF TIMES
REGION	NUMBER	LOCATION	DAYS	10	30	50	70	90	99	MEAN	1 HR.	24-HR.	24-HR.	1 YEAR
OUTH	12008	467 University Ave.												
VEST	40040	Windsor	349	.11	.27	.42	.61	.99	1.75	.55	4.0	1.5	8	1
	12016	College-South St. Windsor	353	.10	.22	.33	.51	.86	1.56	.47	3.6	1.4	4	NIL
	14049	156 Victoria St.								10.10			200000	-14101.81
		Sarnia	360	.00	.04	.17	.29	.54	.95	.26	2.9	8.0	NIL	NIL
	15001	King-Rectory				_								
		London	356	.00	.08	.18	.29	.52	1.02	.27	2.3	0.9	NIL	NIL
/EST	27013	P.S. Victoria/Leader												
ENTRAL		Niagara Falls	336	.00	.13	.23	.36	.65	1.50	.34	3.1	1.3	2	NIL
	27027	P.S. 301 Beatrice St.		0202									****	B.177
		Welland	359	.00	.02	.17	.29	.55	1.00	.26	2.6	1.0	NIL	NIL
	29008	North Park Hamilton	356	.00	.22	.48	.82	1.32	2.02	.63	3.4	2.0	59	1
	29025	Barton - Wentworth	330	.00	.22	.40	.02	1.02	2.02	.00	5.4	2.0	55	
	23023	Hamilton	356	.11	.24	.38	.60	1.06	1.99	.54	3.3	2.1	24	1
ENTRAL	31001	67 College St., 5th floor												
		Toronto	365	.00	.18	.28	.44	.75	1.44	.40	3.7	1.2	7	NIL
	33002	Pharmacy - Hwy . 401	358	.00	.18	.33	57	.96	1.77	.48	3.4	1.5	9	NIL
	33003	Scarborough Lawrence - Kennedy	358	.00	.10	.33	57	.96	1.//	.40	3.4	1.5	9	INIL
	33003	Scarborough	356	.00	.08	.20	.34	.69	1.54	.33	3.6	1.4	5	NIL
	34002	Science Centre												
		Don Mills, North York	189	.00	.16	.29	.49	.84	1.43	.42	3.2	1.6	6	NIL

Table 4/1977 - Continued . . .

	STATION		NO. OF		ı	PERCE	NTIL	ES		ARITH- METIC		KIMUM		R OF TIMES
REGION	NUMBER	LOCATION	DAYS	10	30	50	70	90	99	MEAN	1 HR.	24-HR	24-HR	1 YEAR
CENTRAL	34007 35033	Bathurst - Wilson North York Evans - Arnold	358	.00	.19	.36	.66	1.14	1.86	.54	3.4	1.8	32	1
	35033	Etobicoke	362	.04	.24	.39	.61	1.03	2.06	.54	4.5	1.8	25	1
NORTH EAST	77016 77028	Ash Street Sudbury Government/Edward	354	.00	.00	.00	.10	.27	.72	.10	1.7	0.8	NIL	NIL
	77075	Coniston Kennedy St.	361	.00	.00	.00	.13	.33	.98	.13	2.6	1.2	1	NIL
		New Sudbury	357	.00	.00	.01	.16	.30	.69	.14	1.5	0.6	NIL	NIL

Table 5/1977 Summary of Data: Soiling Index — 2 Hour (all values are in COH's/1,000 ft.)

Ontario Criteria — 24-Hour Average—1.0 COH's/1,000 ft.

1 Year Average—0.5 COH's/1,000 ft.

	STATION		NO. OF		F	PERCE	NTILE	S		ARITH- METIC		KIMUM		OF TIMES
REGION	NUMBER	LOCATION	DAYS	10	30	50	70	90	99			24-HR.	24-HR.	1 YEAR
SOUTH- WEST	12002	City Hall Windsor	329	.00	.00	.13	.20	.41	.85	.20	2.2	0.7	NIL	NIL
	12010	Manning Rd. Pump Station, Windsor	298	.00	.00	.13	.21	.44	.86	.21	3.6	0.7	NIL	NIL
	12013	Wyandotte St. Windsor	352	.00	.10	.19	.30	.64	1.46	.31	2.3	1.4	2	NIL
	12014	Univ. Met. Stn.										7.7		
	12015	College/Calif. St., Windsor Hwy. 18-Prospect	312	.00	.10	.19	.35	.67	1.27	.31	2.9	1.0	NIL	NIL
	12032	Windsor Morton Dock	274	.00	.13	.22	.40	.71	1.70	.36	2.8	1.4	3	NIL
		Windsor	346	.00	.09	.17	.26	.49	.97	.25	2.1	0.6	NIL	NIL
	15003	362 Dundas St. London	334	.00	.03	.14	.21	.41	.82	.21	1.5	0.7	NIL	NIL
WEST	21006	Post Office												
CENTRAL	26001	Brantford Public Utilities Substation	344	.00	.04	.14	.22	.43	.84	.21	1.4	0.7	NIL	NIL
		Waterloo	355	.00	.00	.13	.20	.38	.87	.19	2.2	8.0	NIL	NIL
	26029	Edna/Frederick St. Kitchener	360	.00	.11	.19	.30	.63	1.40	.31	2.8	1.2	1	NIL
	27037	North/Geneva St. St. Catharines	308	.00	.08	.16	.24	.46	.88	.24	1.9	0.8	NIL	NIL
	29001	Hughson - Main Hamilton	357	.00	.09	.18	.28	.59	1.24	.28	2.8	1.2	3	NIL
	29009	Kenilworth-Roxborough												
	29012	Hamilton Burlington - Wellington	313	.00	.00	.12	.20	.42	1.01	.20	2.9	1.0	NIL	NIL
	29015	Hamilton Merrick St.	342	.00	.10	.17	.27	.51	1.05	.26	1.8	0.9	NIL	NIL
	29017	Hemilton Chatham - Frid	352	.00	.07	.17	.27	.54	1.08	.26	4.4	1.1	1	NIL
		Hamilton	341	.00	.00	.12	.19	.40	.94	.20	1.9	1.0	NIL	NIL
	29067	450 Hughson St. Hamilton	322	.00	.05	.15	.22	.43	.81	.22	1.7	0.6	NIL	NIL
CENTRAL	31105	Sherbourne/Wilton	128	.00	.14	.23	.42	.82	1.70	.39	4.7	1.5	2	NIL
	33019	Met. Branch Scar. Bluffs	171000											
	35003	Scarborough Elmcrest Rd.	332	.00	.00	.15	.26	.50	.89	.24	4.1	0.6	NIL	NIL
	35005	Etobicoke Queensway Hospital	337	.00	.07	.18	.31	.64	1.28	.30	2.8	1.4	2	NIL
	35008	Etobicoke 22-36th St.	328	.00	.06	.17	.32	.69	1.53	.31	2.5	1.1	2	NIL
	00000	Etobicoke	315	.00	.00	.13	.23	.48	1.01	.22	2.1	1.1	1	NIL

able 5/1977 - Continued . . .

	STATION		NO. OF				NTILE			ARITH-	MAX	CIMUM		OF TIMES
REGION	NUMBER	LOCATION	DAYS	10	30	50	70	90	99	MEAN	1 HR.	24-HR.	24-HR.	1 YEAR
ENTRAL	35050 44007	MOE Lab., Resources Rd. Etobicoke 2037 Pine	326	.00	.11	.21	.38	.69	1.42	.34	2.6	1.3	2	NIL
	44010	Burlington 1298 Rebecca St.	324	.00	.00	.15	.25	.50	1.02	.24	2.3	0.9	NIL	NIL
	46025	Oakville Public Library	347	.00	.02	.15	.26	.54	1.12	.25	2.1	1.0	NIL	NIL
	46033	Mississauga Fire Hall	347	.00	.05	.16	.25	.49	1.05	.25	2.3	8.0	NIL	NIL
	47040	Bramalea Police Stn., 65 Vespra Rd.	336	.00	.00	.00	.13	.26	.58	.11	1.3	0.3	NIL	NIL
	48002	Barrie MTC Yard	185	.00	.01	.13	.20	.37	.76	.19	2.6	0.7	NIL	NIL
	59006	Stouffville City Hall, 500 George St.	340	.00	.00	.09	.17	.33	.74	.16	2.0	0.7	NIL	NIL
	59055	Peterborough I.E. Weldon H.S.	250	.00	.00	.14	.22	.44	.89	.21	1.9	0.7	NIL	NIL
		Riverview Rd./Hwy.36 Lindsay	270	.00	.00	.08	.18	.35	.72	.16	1.5	0.5	NIL	NIL
OUTH- AST	51001	McDonald Gdns. Ottawa	323	.00	.00	.14	.21	.42	.79	.20	1.3	0.6	NIL	NIL
	52018	1055 Princess St. Kingston	344	.00	.00	.12	.18	.31	.67	.17	1.3	0.6	NIL	NIL
	52020	Churchill Park Napier St., Kingston	334	.00	.00	.00	.10	.19	.40	.09	1.7	0.6	NIL	NIL
	56051	Memorial Park Cornwall	363	.00	.00	.12	.19	.39	.85	.19	2.2	8.0	NIL	NIL
ORTH- 'EST	63040	435 James St. Thunder Bay	362	.00	.00	.12	.18	.31	.64	.17	1.1	0.4	NIL	NIL
ORTH-	71049	Land Registry Office Sault Ste. Marie	302	.00	.00	.13	.23	.45	.85	.21	1.9	0.5	NIL	NIL
	75020	Teacher's College North Bay	323	.00	.00	.12	.19	.38	.90	.19	2.3	0.7	NIL	NIL
	77026	19 Lisgar St. Sudbury	286	.00	.04	.14	.21	.42	.86	.21	1.9	0.8	NIL	NIL

able 6/1977 Summary of Data: Carbon Monoxide (all values in p.p.m.) Ontario Criteria — 1 Hour Average: 30 p.p.m. 8 Hour Average: 13 p.p.m.

	STATION		NO. OF			PERCE	NTILE	s		ARITH- METIC	MAXI	MUM	NUMBER ABOVE C	
REGION	NUMBER	LOCATION	DAYS	10	30	50	70	90	99	MEAN	1 HR.	8-HR.	1 HR.	8-HR.
OUTH- EST	12008	467 University Ave. Windsor	340	0.3	1.0	1.5	2.0	3.4	5.9	2.2	19	10	NIL	NIL
	14049	156 Victoria St.						-	- 11	3.5				
	15001	Sarnia King-Rectory	355	0.2	8.0	1.2	1.7	2.5	3.8	1.8	10	6	NIL	NIL
		London	315	0.0	0.0	0.4	8.0	1.8	4.9	1.1	16	8	NIL	NIL
EST	26029	Edna/Frederick Sts.												
ENTRAL	27037	Kitchener North/Geneva Sts.	197	0.0	0.2	0.6	1.0	1.9	5.6	1.3	19	9	NIL	NIL
	29025	St. Catharines Barton-Wentworth	303	0.0	0.5	0.9	1.5	2.0	4.5	1.5	23	8	NIL	NIL
	29025	Hamilton	344	0.0	0.3	0.7	1.3	2.4	5.5	1.4	12	7	NIL	NIL
ENTRAL	31001	67 College St., 5th floor												
	31090	Toronto 67 College St., 2nd floor	365	0.2	0.6	1.0	1.5	2.0	3.9	1.6	9	6	NIL	NIL
		Toronto	321	0.4	1.3	1.9	2.8	4.4	7.7	2.8	15	10	NIL	NIL

Table 6/1977 - Continued . . .

	STATION		NO. OF		P	PERCE	NTILE	s		ARITH- METIC	MAXI	мим	NUMBER ABOVE C	
REGION	NUMBER	LOCATION	DAYS	10	30	50	70	90	99	MEAN	1 HR.		1 HR.	8-HR.
CENTRAL	31105	Sherbourne/Wilton St. Toronto	135	0.1	0.6	1.1	1.8	3.1	6.8	1.9	14	9	NIL	NIL
	33002	Pharmacy/Hwy. 401 Scarborough	357	0.2	0.7	1.2	1.7	2.8	5.6	1.9	15	8	NIL	NIL
	33003	Lawrence - Kennedy Scarborough	362	0.1	0.5	1.0	1.7	3.2	5.8	1.8	16	11	NIL	NIL
	34002	Science Centre Don Mills, North York	193	0.1	0.4	0.7	1.0	1.8	3.0	1.4	8	7	NIL	NIL
	34007	Bathurst - Wilson North York	360	1.0	1.4	1.8	2.5	3.9	6.5	2.6	15	9	NIL	NIL
	35003	Elmcrest Rd. Etobicoke	359	0.0	0.3	0.7	1.0	1.8	3.5	1.3	10	6	NIL	NIL
	35033	Evans - Arnold Etobicoke	365	0.2	8.0	1.3	1.7	2.5	4.9	1.8	14	9	NIL	NIL
	44010	1298 Rebecca St. Oakville	351	0.2	0.6	1.0	1.5	2.0	4.7	1.6	13	8	NIL	NIL
SOUTH- EAST	51001	McDonald Gdns.	338	0.0	0.0	0.3	0.7	1.3	3.0	0.9	7	5	NIL	NIL
EAST	56051	Memorial Park Cornwall	345	0.0	0.0	0.2	0.6	0.9	2.8	0.7	15	6	NIL	NIL
NORTH- EAST	77016	Ash Street Sudbury	338	0.0	0.0	0.3	0.6	1.0	2.9	0.8	10	6	NIL	NIL

Table 7/1977 Summary of Data: Total Hydrocarbons (all values are in p.p.m.)
No Existing Criteria

	STATION		NO. OF			PERCE	NTILES			ARITH- METIC		IMUM
REGION	NUMBER	LOCATION	DAYS	10	30	50	70	90	99	MEAN	1 HR.	24-HR
SOUTH- WEST	12008	467 University Ave. Windsor	330	1.56	1.91	2.17	2.48	3.10	5.13	2.35	16.8	4.9
	14049	156 Victoria St. Sarnia	265	1.37	1.95	2.19	2.49	3.33	5.45	2.36	12.4	4.1
	15001	King-Rectory London	350	1.70	1.90	2.09	2.30	2.71	4.03	2.22	7.7	3.8
WEST CENTRAL	22071	Experimental Farm Simcoe	106	0.98	1.43	1.68	1.95	2.43	2.90	1.74	3.9	2.6
	29008	North Park Hamilton	237	0.25	0.54	0.83	1.17	1.82	4.05	1.04	10.7	5.6
CENTRAL	31001	67 College St., 5th floor Toronto	336	0.87	1.21	1.50	1.81	2.23	3.45	1.60	5.6	3.0
	33002	Pharmacy – Hwy . 401 Scarborough	359	1.31	1.57	1.76	1.98	2.36	3.46	1.87	6.1	3.5
	33003	Lawrence - Kennedy Scarborough	355	1.52	1.73	1.87	2.07	2.50	3.82	2.03	8.0	3.9
	34002	Science Centre Don Mills, North York	156	1.46	1.92	2.29	2.69	3.82	5.59	2.53	8.1	4.1
	34007	Bathurst - Wilson North York	345	0.69	0.96	1.11	1.32	1.69	2.61	1.23	5.6	2.8
	35003	Elmcrest Rd. Etobicoke	322	1.55	1.79	2.01	2.23	2.72	4.78	2.17	12.4	4.5
	35033	Evans – Arnold Etobicoke	346	1.12	1.39	1.59	1.79	2.23	3.64	1.71	6.3	3.3
	44010	1298 Rebecca St. Oakville	294	1.33	1.54	1.68	1.88	2.33	3.46	1.82	6.3	3.3
SOUTH- EAST	51001	McDonald Gdns. Ottawa	309	1.55	1.80	1.98	2.15	2.46	3.21	2.03	6.1	3.6
NORTH- EAST	77016	Ash Street Sudbury	321	1.72	1.87	2.05	2.32	2.74	3.68	2.22	7.5	3.7

able 8/1977 Summary of Data: Reactive Hydrocarbons (all values are in p.p.m.)
No Existing Criteria

	STATION		NO. OF			PERCE	NTILES			ARITH- METIC	MAX	IMUM
REGION	NUMBER	LOCATION	DAYS	10	30	50	70	90	99	MEAN	1 HR.	24-HR.
EST ENTRAL	27037	North/Geneva Sts. St. Catharines	260	0.00	0.04	0.10	0.18	0.36	0.87	0.20		0.0
	29025	Barton - Wentworth	200	0.00	0.04	0.10	0.16	0.36	0.67	0.20	5.6	0.9
		Hamilton	267	0.48	1.28	1.75	2.36	3.24	4.08	1.89	5.4	4.2
ENTRAL	31001	67 College St., 5th floor										
		Toronto	232	0.11	0.25	0.37	0.56	1.02	1.96	0.53	3.6	2.0

able 9/1977 Summary of Data: Ozone (all values are in p.p.m.)

Ontario Criterion — 1 Hour Average: 0.08 p.p.m.

	STATION		NO. OF		F	PERCE	NTILE	s		ARITH- METIC	MAX	IMUM	NUMBER OF TIMES ABOVE CRITERION
REGION	NUMBER	LOCATION	DAYS	10	30	50	70	90	99	MEAN	1 HR.	24-HR.	
OUTH-	10001	College of Agric, Tech.											
EST		Huron Park	238	.007	.017	.024	.035	.059	.096	.030	.137	.083	158
	12008	467 University Ave.											100
		Windsor	355	.000	.004	.012	.025	.054	.098	.021	.144	.078	259
	13021	MOE Pump, Stn.											
	44040	Middle Rd., Merlin	173	.004	.012	.020	.033	.063	.113	.028	.167	.085	202
	14049	156 Victoria St. Sarnia	353	004	000	040	004	000	000				
	14118	PUC Water Pump, Stn.	353	.001	.009	.016	.024	.038	.080	.020	.168	.067	87
	14110	Hwy. 21, Petrolia	295	.005	.014	.022	.031	.052	.095	.026	.146	.077	182
	15001	King-Rectory	200	.000	.011	.022	.001	.002	.000	.020	.140	.077	102
		London	316	.001	.009	.017	.026	.045	.079	.021	.120	.068	69
EST	22071	Experimental Farm											
INTRAL	22071	Simcoe	330	.010	.021	.030	.040	.060	.092	.034	.133	.089	212
	26029	Edna/Frederick St.	000	.010	.021	.000	.040	.000	.032	.054	.155	.003	212
		Kitchener	323	.001	.013	.023	.032	.049	.078	.025	.111	.083	68
	27037	North/Geneva St.											
		St. Catharines	349	.008	.010	.018	.027	.048	.082	.022	.127	.080	97
	29025	Barton-Wentworth								20 4 10			
		Hamilton	361	.000	.005	.013	.021	.037	.065	.017	.092	.060	15
:NTRAL	31001	67 College St., 5th floor											
		Toronto	353	.000	.005	.012	.020	.036	.068	.016	.110	.054	31
	31105	Sherbourne/Wilton St.											
		Toronto	141	.000	.001	.004	.010	.019	.048	.008	.069	.036	NIL
	33003	Lawrence - Kennedy	050	000	005	040				202			
	34002	Scarborough Science Centre	359	.000	.005	.012	.019	.032	.062	.015	.107	.048	13
	34002	Don Mills, North York	192	.000	.003	.008	.014	.024	.045	.011	.067	.030	NIL
	35003	Elmcrest Rd.	102	.000	.000	.000	.017	.024	.043	.011	.007	.030	NIL
		Etobicoke	340	.000	.004	.012	.021	.037	.070	.017	.126	.058	42
	35033	Evans/Arnold								100 1.1			
		Etobicoke	365	.000	.002	.007	.013	.028	.061	.011	.111	.052	15
	44010	1298 Rebecca St.											
	47000	Oakville	340	.000	.010	.018	.027	.048	.082	.022	.122	.068	94
	47030	Muck Res. Stn., Hwy. 400/	100	001	011	024	021	050	004	004	400	054	
	48002	Canal Rd., Holland Marsh MTC Yard	100	.001	.011	.021	.031	.050	.084	.024	.129	.051	30
	40002	Stouffville	348	.006	.016	.023	.031	.046	.079	.026	.152	.077	82
	58025	Natural Res. Bldg.	0-10	.000	.010	.020	.001	.040	.073	.020	.102	.077	02
		Orono	356	.006	.017	.025	.033	.048	.093	.028	.176	.073	173
IUTH-	51001	McDonald Gdns.											
ST	51001	Ottawa	352	.000	.008	.016	.025	.040	.066	.019	.091	.063	15
.01	56051	Memorial Park	552	.000	.000	.010	.020	.040	.000	.019	1 60.	.003	15
		Cornwall	354	.002	.011	.017	.023	.034	.058	.019	.089	.062	7
NDT!				15: 5	march 5	0.000 0 0	.0.0.000	00000 NN	40000	via va			,
)RTH-	77016	Ash Street	204	004	040	04.4	000	004	000	040			
ST		Sudbury	321	.004	.010	.014	.020	.034	.065	.018	.116	.077	18

Table 10/1977 Summary of Data: Total Reduced Sulphur (all values in p.p.m.)
No Existing Criteria

	STATION		NO. OF			PERCE	NTILES			ARITH- METIC	MAX	IMUM
REGION	NUMBER	LOCATION	DAYS	10	30	50	70	90	99	MEAN	1 HR.	24-H
SOUTH- WEST	14049	156 Victoria St. Sarnia	350	0.0	0.0	0.0	0.0	2.8	6.5	0.5	35	5
	18001	MacKenzie RR2 Tiverton	360	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19	1
WEST	29008	North Park Hamilton	283	0.0	0.0	0.0	0.0	2.0	8.8	0.8	26	7
CENTRAL	29025	Barton - Wentworth Hamilton	336	0.0	0.0	0.0	0.3	2.8	18.6	1.3	110	17
SOUTH- EAST	56051	Memorial Park Cornwall	337	0.0	0.0	0.2	2.1	6.3	20.7	2.4	79	16
LAST	56068	435 2nd St. W. Cornwall	272	0.0	0.8	2.1	4.4	11.6	36.9	5.0	116	23
CENTRAL	59055	I.E. Weldon H.S. Riverview Rd./Hwy.36										
		Lindsay	249	0.0	0.0	0.0	0.0	0.5	6.7	0.4	34	6
NORTH- WEST	61026	56 King St. Dryden	325	0.0	0.0	0.0	0.0	9.7	56.3	3.7	164	39
	62030	Portage/Church Fort Frances	294	0.0	0.0	0.0	4.5	43.7	209.1	15.4	480	132
	62032	Cemetery Colonization Rd. Fort Frances	225	0.0	0.0	0.0	0.0	9.5	46.7	3.3	129	35
	63046	Montreal St. Thunder Bay	298	0.0	0.0	0.0	0.2	4.5	17.5	1.5	56	12

Table 11/1977 Summary of Data: Nitrogen Dioxide (all values in p.p.m.)
Ontario Criteria – 1 Hour Average: 0.20 p.p.m. 24-Hour Average: 0.10 p.p.m.

DEC:0::	STATION	LOGATION	NO. OF	40		PERCEI	NTILE:		99	ARITH- METIC MEAN		IMUM 24-HR.	NUMBER ABOVE O	
REGION	NUMBER	LOCATION	DAYS	10	30	50	70	90	99	WEAN	ink.	24-HK.	IHK.	24-HK.
SOUTH- WEST	12008	467 University Ave. Windsor	341	.012	.020	.026	.034	.046	.070	.033	.18	.08	NIL	NIL
	14049	156 Victoria St. Sarnia	318	.004	.013	.019	.028	.045	.073	.027	.13	.07	NIL	NIL
	15001	King-Rectory London	346	.004	.012	.019	.028	.045	.081	.028	.17	.08	NIL	NIL
WEST CENTRAL	22071	Experimental Farm Simcoe	268	.000	.001	.006	.011	.021	.039	.012	.12	.04	NIL	NIL
	26029	Edna/Frederick St. Kitchener	263	.007	.019	.028	.037	.052	.088	.035	.14	.09	NIL	NIL
	27037	North/Geneva St. St. Catharines	334	.004	.012	.018	.025	.036	.059	.024	.20	.06	NIL	NIL
	29008	North Park Hamilton	338	.010	.025	.036	.048	.076	.117	.045	.20	.14	NIL	3
	29025	Barton-Wentworth Hamilton	352	.013		.052	.067	.086	.116	.056	.18	.11	NIL	2
CENTRAL	31001	67 College St., 5th floor Toronto	360	.010	.018	.025	.033	.047	.075	.032	.10	.07	NIL	NIL
	31105	Shelbourne/Wilton St. Toronto	129	.008	.015	.020	.026	.035	.057	.026	.09	.06	NIL	NIL
	33002	Pharmacy - Hwy. 401 Scarborough	354	.013		.032	.041	.056	.089	.039	.17	.08	NIL	NIL
	33003	Lawrence-Kennedy Etobicoke	342	.012		.032	.043	.063	.094	.040	.13	.10	NIL	NIL
	34002	Science Centre Don Mills, North York	192	.004	.011	.017	.023	.033	.054	.023	.10	.05	NIL	NIL

ıble 11/1977 - Continued . . .

	STATION		NO. OF		F	ERCE	NTILE	s		ARITH- METIC	MAX	IMUM	NUMBER ABOVE C	OF TIMES
EGION	NUMBER	LOCATION	DAYS	10	30	50	70	90	99	MEAN	1 HR.	24-HR.	1 HR.	24-HR.
NTRAL	34007	Bathurst-Wilson												
		North York	351	.005	.017	.028	.040	.067	.122	.038	.27	.15	8	4
	35003	Elmcrest Rd.												
		Etobicoke	359	.002	.008	.015	.023	.036	.066	.022	.12	.07	NIL	NIL
	35033	Evans - Arnold												
		Etobicoke	358	.014	.025	.033	.043	.065	.104	.042	.19	.12	NIL	1
	44010	1298 Rebecca St.												
		Oakville	355	.002	.007	.012	.019	.031	.052	.020	.09	.05	NIL	NIL
UTH-	51001	McDonald Gdns.												
.ST		Ottawa	332	.001	.006	.013	.020	.034	.060	.020	.10	.06	NIL	NIL
	56051	Memorial Park												
		Cornwall	355	.001	.005	.010	.016	.028	.053	0.17	.15	.06	NIL	NIL
RTH-	77016	Ash Street												
ST	-	Sudbury	361	.000	.001	.006	.012	.024	.047	.013	.08	.05	NIL	NIL

ble 12/1977 Summary of Data: Nitric Oxide (all values in p.p.m.)
No Existing Criteria

	STATION		NO. OF			PERCE	NTILES			ARITH- METIC	MAX	IMUM
EGION	NUMBER	LOCATION	DAYS	10	30	50	70	90	99	MEAN	1 HR.	24-HR.
UTH-	12008	467 University Ave.									(
ST		Windsor	338	.000	.006	.014	.030	.070	.173	.032	.82	.18
	14049	156 Victoria St.							1112		.02	.,,
		Sarnia	309	.000	.000	.006	.016	.039	.096	.017	.26	.08
	15001	King-Rectory										
		London	346	.000	.001	.006	.014	.040	.148	.020	.57	.24
ST	22071	Experimental Farm										
NTRAL		Simcoe	260	.000	.000	.003	.008	.015	.022	.009	.08	.03
	29008	North Park										
		Hamilton	334	.000	.004	.044	.097	.174	.346	.073	.71	.34
	29025	Barton-Wentworth										F-81001
		Hamilton	364	.000	.002	.009	.025	.070	.220	.030	.55	.26
NTRAL	31001	67 College St., 5th floor										
		Toronto	363	.000	.004	.010	.020	.053	.172	.026	.50	.15
	31105	Sherbourne/Wilton St.										
		Toronto	117	.007	.019	.035	.060	.113	.260	.057	.47	.19
	33002	Pharmacy - Hwy. 401										3.6.89
		Scarborough	359	.000	.017	.071	.199	.394	.778	.152	1.88	.65
	33003	Lawrence - Kennedy										
		Scarborough	218	.004	.016	.028	.048	.102	.258	.049	.66	.15
	34002	Science Centre										
		Don Mills, North York	192	.000	.003	.007	.015	.056	.183	.025	.59	.22
	34007	Bathurst - Wilson										
		North York	356	.000	.008	.042	.131	.320	.657	.115	1.02	.57
	35003	Elmcrest Rd.										
		Etobicoke	355	.000	.003	.009	.023	.075	.286	.032	.91	.29
	35033	Evans - Arnold										
		Etobicoke	353	.004	.019	.042	.081	.174	.482	.078	.98	.35
	44010	1298 Rebecca St.										
		Oakville	358	.000	.001	.006	.011	.044	.209	.021	.54	.17
UTH-	56051	Memorial Park										
ST		Cornwall	355	.000	.000	.005	.010	.031	,101	.016	.69	.09
RTH-	77016	Ash Street										
ST	77010	Sudbury	360	.000	.000	.000	.006	010	000	010	41	00
		Suddury	300	.000	.000	.000	.000	.019	.099	.010	.41	.09

Table 13/1977 Summary of Data: Nitrogen Oxides (all values in p.p.m.)
No Existing Criteria

	STATION		NO. OF			PERCE	NTILES			ARITH- METIC	MAX	IMUN
REGION	NUMBER	LOCATION	DAYS	10	30	50	70	90	99	MEAN	1 HR.	
SOUTH- WEST	12008	467 University Ave. Windsor	331	.022	.035	.049	.068	.109	.215	.065	.89	.21
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	14049	156 Victoria St. Sarnia	307	.007	.020	.032	.047	.083	.149	.045	.31	.14
	15001	King-Rectory London	344	.007	.020	.031	.048	.086	.226	.048	.66	.30
		London	344	.008	.020	.031	.046	.000	.220	.040	.00	.30
WEST CENTRAL	22071	Experimental Farm Simcoe	267	.001	.010	.016	.022	.035	.168	.025	.22	.18
	29008	North Park Hamilton	333	.011	.039	.095	.154	.234	.411	.117	.77	.40
	29025	Barton - Wentworth Hamilton	356	.017	.047	.073	.099	.150	.305	.086	.63	.36
CENTRAL	31001	67 College St., 5th floor			222	0.40	050	007	204	050		0.4
	31105	Toronto Shelbourne/Wilton St.	360	.017	.030	.042	.059	.097	.224	.058	.59	.21
	33002	Toronto Pharmacy - Hwy . 401	129	.024	.042	.062	.091	.144	.295	.082	.47 2.03	.22
	33003	Scarborough Lawrence - Kennedy	353	.021	.053	.114	.243	.444	.832	.191	.95	.70
	34002	Scarborough Science Centre	346	.022	.046	.068	.097	.156	.220	.048	.65	.24
	34007	Don Mills, North York Bathurst – Wilson North York	191 350	.011	.020	.029	.181	.382	.732	.153	1.08	.69
	35003	Elmcrest Rd. Etobicoke	354	.006	.034	.030	.051	.110	.324	.054	.93	.34
	35033	Evans - Arnold Etobicoke	346	.028	.056	.086	.128	.229	.553	.119	1.07	.42
	44010	1298 Rebecca St. Oakville	354	.005	.015	.023	.036	.074	.246	.041	.57	.18
SOUTH-	56051	Memorial Park	i Ar Ar d		35.05	25.52	75.3.5	200 2010			25.5	
EAST		Cornwall	355	.003	.014	.021	.031	.057	.139	.033	.75	.13
NORTH- EAST	77016	Ash Street Sudbury	360	.000	.004	.011	.020	.046	.139	.024	.46	.14

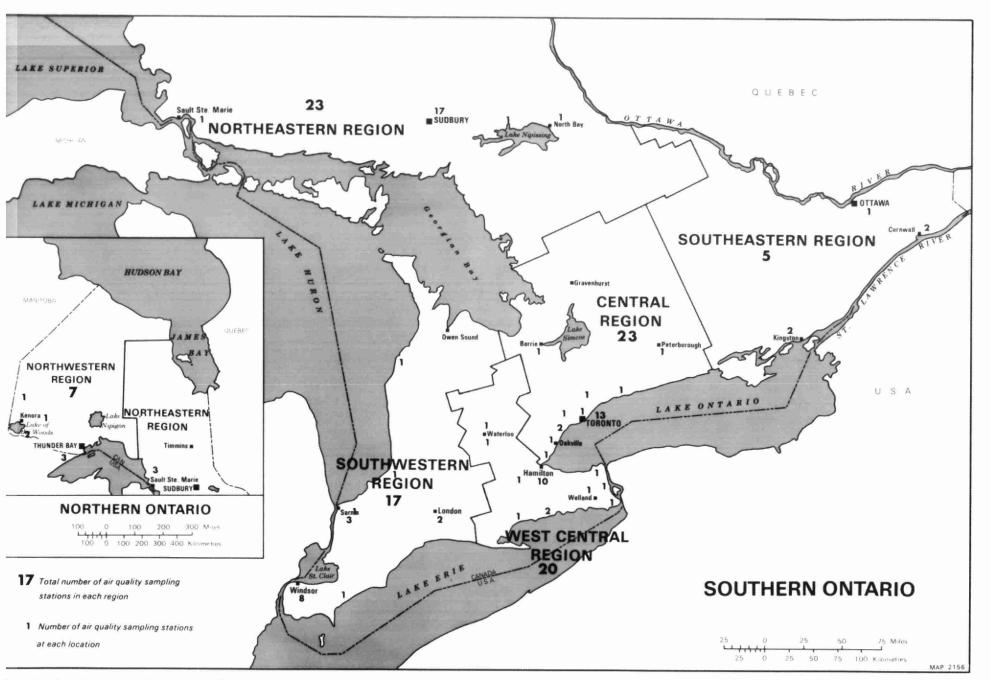
Table 14/1977 Ontario's Air Pollution Index

Date Started:	TORONTO	- MARCH 23,1970	WELLAND	 JANUARY 1, 1974
	HAMILTON	JUNE 15, 1970	NIAGARA FALLS	 NOVEMBER 1, 1974
	SUDBURY	 JANUARY 16, 1971 	CONISTON	 FEBRUARY 18, 1975
	WINDSOR	- MARCH 19, 1971	NEW SUDBURY	 MARCH 1, 1976
	HAPPY VALLEY	- MAY 13, 1971 (Closed Jan. 1975)	SARNIA	- DECEMBER 1, 1977

WEAR	OLTY	NUMBER C	F OCCASIONS	MAXIMUM	DATE	OF
YEAR	CITY	≥ 32	≥ 50	INDEX	MAXIM	UM
1970	TORONTO	17	2	56	OCT.	8
	HAMILTON	2	1	56	OCT.	8
1971	TORONTO	19	1	52	APR.	13
	HAMILTON	23	NIL	48	OCT.	21
	SUDBURY	26	3	87	DEC.	11
	WINDSOR	2	NIL	33	NOV.	10
	HAPPY VALLEY	20	7	64	NOV.	21
1972	TORONTO	2	NIL	45	FEB.	13
	HAMILTON	6	NIL	41	FEB.	13
	SUDBURY	7	1	79	JUNE.	12
	WINDSOR	9	1	53	JAN.	29
	HAPPY VALLEY	20	11	139	MAR.	23

ble 14/1977 - Continued . . .

VEAS	0171/	NUMBER O	F OCCASIONS	MAXIMUM	DATE OF
YEAR	CITY	≥ 32	≥ 50	INDEX	MAXIMUM
1973	TORONTO	3	NIL	43	OCT. 24
	HAMILTON	2	NIL	34	FEB. 14
	SUDBURY	NIL	NIL	26	MAR. 14
	WINDSOR	7	NIL	44	FEB. 19
	HAPPY VALLEY	19	10	94	AUG. 21
1974	TORONTO	3	1	50	OCT. 29
	HAMILTON	11	NIL	44	OCT. 29
	SUDBURY	1	NIL	32	JULY. 13
	WINDSOR	2	NIL	41	JAN. 7
	HAPPY VALLEY	24	13	116	APR. 23
	WELLAND	46	15	77	OCT. 6
	NIAGARA FALLS	NIL	NIL	20	NOV. 9
1975	TORONTO	2	1	62	NOV. 20
	HAMILTON	10	NIL	38	OCT. 24
	SUDBURY	NIL	NIL	30	FEB. 1
	WINDSOR	NIL	NIL	28	FEB. 11 -
	WELLAND	NIL	NIL	23	JAN. 24
	NIAGARA FALLS	NIL	NIL	21	NOV. 24
	CONISTON	NIL	NIL	30	MAY 13
1976	TORONTO	1	NIL	33	OCT. 3
	HAMILTON	8	NIL	41	DEC. 16
	SUDBURY	NIL	NIL	28	JUNE 6
	WINDSOR	1	NIL	34	DEC. 16
	WELLAND	NIL	NIL	24	DEC. 16
	NIAGARA FALLS	NIL	NIL	25	FEB. 21
	CONISTON	NIL	NIL	29	SEPT. 16
	NEW SUDBURY	NIL	NIL	29	APR. 2,3 &
					JUNE 20
1977	TORONTO	4	NIL	36	JAN. 15
	HAMILTON	10	NIL	44	MAR. 12
	SUDBURY	NIL	NIL	24	JUNE 11
	WINDSOR	1	NIL	33	APR. 19
	WELLAND	NIL	NIL	22	JAN. 24, 25
	NIAGARA FALLS	NIL	NIL	28	FEB. 21
	CONISTON	NIL	NIL	25	APR. 25
	NEW SUDBURY	1	NIL	39	JUNE 11
	SARNIA	NIL	NIL	15	DEC. 13



igure 1. Locations of sampling stations in Ontario.

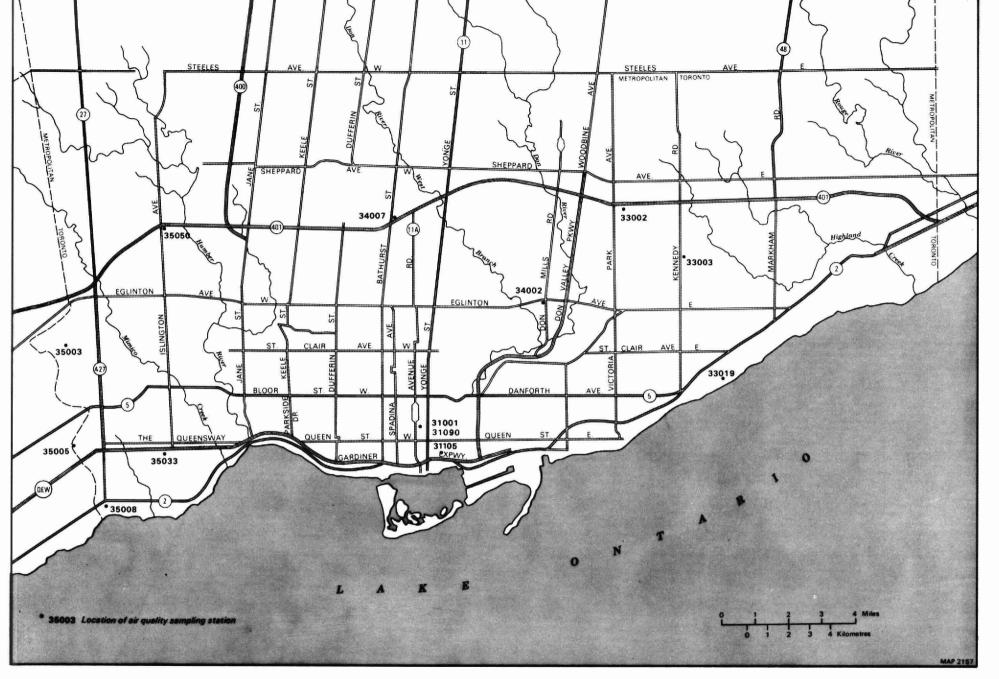


Figure 2. Locations of sampling stations in Metropolitan Toronto.

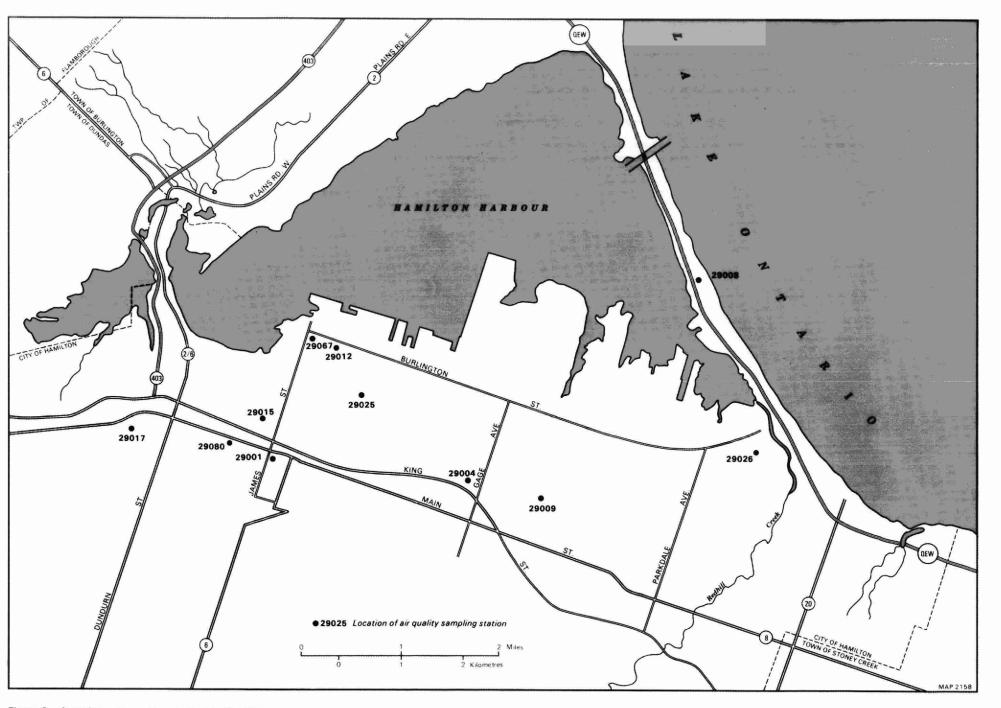
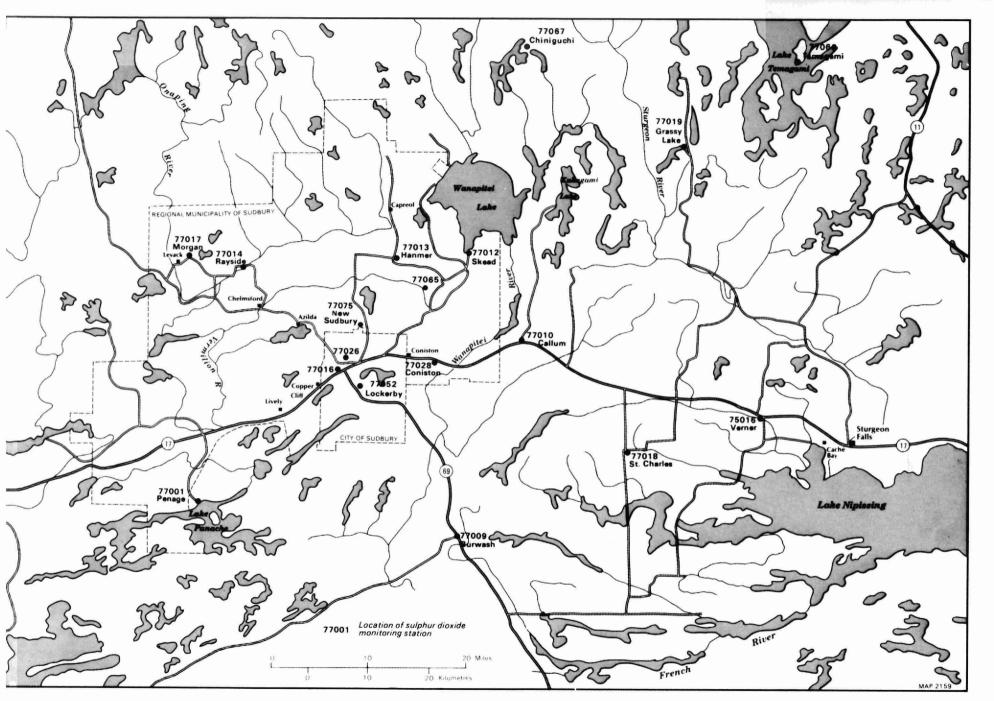
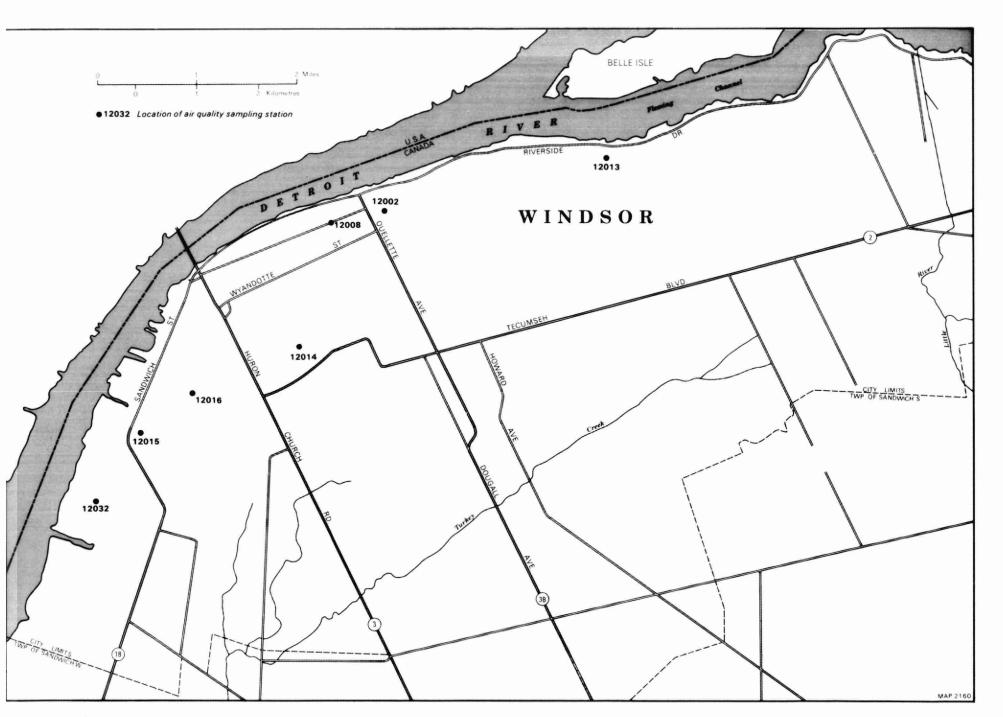


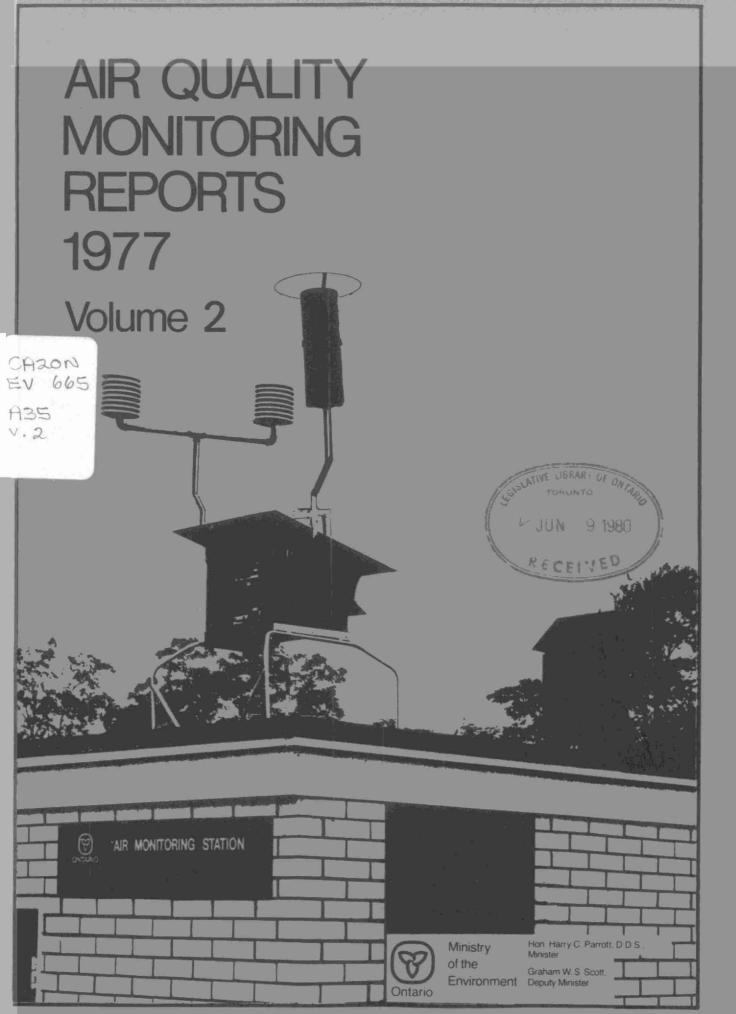
Figure 3. Locations of sampling stations in Hamilton.



igure 4. Locations of sulphur dioxide monitoring stations in the Sudbury area.



 $\label{eq:Figure 5. Locations of sampling stations in Windsor. }$



CARON P35

AIR QUALITY MONITORING REPORT **ONTARIO** 1977

VOL.2



Ministry of the Environment Deputy Minister

Hon. Harry C. Parrott, D.D.S.,

Graham W. S. Scott,

SULPHUR DIOXIDE

CONTENTS

Station Number	Location	No. of Months	Page
12008	467 University Avenue, Windsor	12	1
12013	Wyandotte Street, Windsor	12	8
12015	Hwy. 18 - Prospect, Windsor	12	15
12016	College - South Street, Windsor	12	22
12032	Morton Dock, Windsor	12	29
14004	Hydro SS, Concession 14/15, Courtright	12	36
14016	Lambton G.S., Hwy. 40, Courtright	12	43
14049	156 Victoria Street, Sarnia	12	50
15001	King-Rectory, London	12	57
18001	MacKenzie, R. R. #2, Tiverton	12	64
21006	Post Office, Brantford	12	71
22011	Deamude, Port Maitland	12	78
22023	Wray Manor Road, Port Maitland	11	85
22023	Experimental Farm, Simcoe	12	92
26029	Edna/Frederick Street, Kitchener	12	99
27013	PS Victoria/Leader, Niagara Falls	12	106
27013		12	113
	PS 301 Beatrice Street, Welland	12	120
27037	North/Geneva Street, St. Catharines	12	127
27038	Rosehill/MacDonald, Fort Erie	12	134
29008	North Park, Hamilton	12	141
29025	Barton-Wentworth, Hamilton	11	141
29026	Brampton-Woodward, Hamilton	12	155
29080	City Hall, Hamilton		
31001	67 College Street, 5th Floor, Toronto	5 5	162
31105	Sherbourne/Wilton Street, Toronto		169
33002	Pharmacy-Hwy. 401, Scarborough	12	173
33003	Lawrence-Kennedy, Scarborough	12	180
33019	Met. Branch, Scarborough Bluffs, Scarborough	12	187
34002	Science Centre, Don Mills, North York	7	194
34007	Bathurst-Wilson, North York	12	199
35003	Elmcrest Road, Etobicoke	12	206
35005	Queensway Hospital, Etobicoke	12	213
35033	Evans-Arnold, Etobicoke	12	220
35050	MOE Lab., Resources Road, Etobicoke	12	227
44007	2037 Pine, Burlington	12	234
44010	1298 Rebecca Street, Oakville	12	241
47040	Police Station, 65 Vespra Road, Barrie	7	248
48002	MTC Yard, Stouffville	12	253
51001	McDonald Gardens, Ottawa	12	260
52020	Churchill Park, Napier Street, Kingston	12	267
56051	Memorial Park, Cornwall	12	274
59006	City Hall, 500 George Street, Peterborough	12	281
61010	Lassie/Dickenson Roads, Balmertown	5	288
63012	Dawson Court, Thunder Bay	7	292
63040	435 James Street, Thunder Bay	12	297
71001	29 Hillcrest Avenue, Wawa	12	304
71002	Goudreau, Algoma District	6	311
71038	Lucie Pit, Algoma Ore, Wawa	8	315
71049	Land Registry Office, Sault Ste. Marie	12	320

Station Number	Location	No. of Months	Page
75016	Department of Transport, Verner	12	327
75020	Teacher's College, North Bay	12	334
77001	Penage, Sudbury District	12	341
77009	Burwash, Sudbury District	12	348
77010	Callum, Sudbury District	12	355
77012	Skead, Sudbury District	12	362
77013	Hanmer, Sudbury District	12	369
77014	Rayside, Sudbury District	12	376
77016	Ash Street, Sudbury	12	383
77017	Morgan, Sudbury District	12	390
77018	St. Charles, Sudbury District	12	397
77019	Grassy Lake, Sudbury District	6	404
77028	Government/Edward Coniston	12	408
77052	Lockerby, Sudbury Airshed	12	415
77065	Falconbridge Road, Sudbury	12	422
77066	Temagami, Sudbury Airshed	6	429
77067	Chiniguchi, Sudbury Airshed	6	433
77075	Kennedy Street, New Sudbury	12	437

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PERCENTAGE OF DATA UNAVAILABLE - 0.5

NOTES 1. ****** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. .. INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

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- 3. ****** INDICATES LEJS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

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- 2. *-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEJS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

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NOTES 1, ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "." INDICATES DATA IS UNAVAILABLE
 - 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

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	POL	LUTAN	1 - 5	ULPHU	H DIO	XIDE							-			60 3 50		London St.							
	STA	TION	- 5W	NO 1	2008	4	67 UN	IVER	SITY	AV WES	ST F2	WINDS	ROR			MON	rH - M	YAN	77						
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 ME	AN
1 2 3 4 5 6 7 8	0 0 4 0 3 3 1 3 2	0 0 3 1 1 4 2 3	1 0 2 1 0 2 1 13	1 2 2 2 1 1 1 8 2	1 2 2 1 1 1 1 8 2	1 0 2 1 1 1 2 12 12	1 0 1 1 0 3 2 11	1 2 1 0 4 2 10	1 1 1 1 4 1	1 0 1 0 0 0 2 3	2 1	6	6 0 1 4 1 1 2	3 0 0 0 2 1 2 2 2 2	200021221	2 0 2 0 1 1 2 2 1	1 1 1 3 1 3 1	1 0 0 3 1 3	0 0 1 3 1 4 2	0 2 0 1 4 1 4 2 1	1 2 0 0 1 2 4 1 3	0 1 0 0 1 1 5 2 2	1 4 1 1 2 1 4 2 1	0 3 1 2 3 1 3 2 2	1 1 1 2 1 2 4 2
10 11 12 13 14 15 16 17 18	2 4 2 4 5 1 3 2 2	2 1 4 2 6 6 2 4 2 9	2 4 3 2 4 3 2 4 3 2	2 4 3 4 3 2 2 2 3	3 2 2 4 2 4 3 2 2 3	2 2 2 3 2 3 4 1 2 2	2 2 4 3 3 3 2 2 4	3 2 2 5 2 4 1 4 1 6	3 5 3 2 2 3 3 3 3 4	2 2 3 0 2 3 1 6	2 1211285162	2 1 2 2 2 2 2 2 2 2 2 2 4	3 2 2 3 3 10 3 7 8	2 2 1 3 3 7 3 1 2 12	1 2 2 1 4 3 6 3 1 4 7	1 2 1 5 2 3 5 1 2 2	1 2 2 5 2 5 5 1 2 1	1 3 2 2 4 2 5 6 1 1	2 3 2 5 1 7 6 1 1	1 22 4 7 2 4 4 2 1 1	2 4 8 1 3 3 2	2 3 3 4 1 3 2 1 1	3 2 3 5 2 2 1 2	1 3 2 4 2 3 2 2 1 4	2 2 2 4 3 4 4 2 2 3
20 21 22 23 24 25 26 27 28 29 30	0 4 2 1 2 3 1 8 1 3 2	5 2 1 2 3 1 5 2 2 3	1 4 2 2 2 3 1 3 1 3 2	2 1 2 3 2 3 1 3 3	3 2 1 2 3 1 2 2 3	3 2 2 1 2 0 1 2 2 2	3 1 2 2 3 1 3 3 2 3	3 1 3 1 3 2 1 4 2 2	3 1 3 1 3 2 10 3 2	4 8 2 2 5 2 1 15 2	7 10 3 2 5 5 1 6 2 3	7 12 3 1 7 1 2 3	3 4 3 1 6 1 1 3 2 2 2	3 3 6 2 - 1 0 3 2 2	3 3 6 1 0 3 2	3 3 2 2 3 1 1 4 2 2	3 2 2 3 4 1 2 5	4 2 2 3 2 1 1 4 2	3 2 2 4 2 3 1 4 2 5	4 2 3 1 4 2 5	4 1 4 1 1 5 2	4 1 4 1 9 1 8 1	3 1 2 4 1 13 1 5 1	2 4 1 10 15 1 8	4 3 2 2 3 3 2 4 2 4
31 MEAN	6 2	3	4	3 2	2	2	2	2 3	2 3	2 3	2 3	2 3	3	4 3	4	2	2	2	2	2	_	3	3	3	3 2.5

PERCENTAGE OF DATA VALID - 98.1 PERCENTAGE OF DATA INVALID - 0.9

PERCENTAGE OF DATA UNAVAILABLE - 0.9

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. .. INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEJS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

UNITS - 0.01 PARTS/MILLION POLLUTANT - SULPHUR DIOXIDE MONTH - JUN 77 STATION - SW NO 12008 467 UNIVERSITY AV WEST F2 WINDSOR 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 HOUR 205321 2002321212 200010221122 200621121 1 2 3 4 5 6 7 8 9 10 2 9 9 5 4 3 4 2 2 3 4 3 2 3 3 2 7 8332244102 11 12 13 14 15 16 17 18 19 20 0 7 4 2 0 2 2 0 3 0 0 0 0 0113223200 0023222 0133222100 0 21 22 23 24 25 26 27 28 29 30 2 2.1 2 2 2 3 2 2 2 2 2 2 2 MEAN

PERCENTAGE OF DATA VALID - 96.8

PERCENTAGE OF DATA INVALID - 1.8

PERCENTAGE OF DATA UNAVAILABLE - 1.4

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- .. INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

	ST	MITATION	1 · S	W NO	12008	3	467 1	UNIVE	RSITY	AV WE	ST F	WINI	DSOR			MO	NTH -	JUL	77						
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1 2 3 4 5 6 7 8	4 3 2 5 0 0 3 3	4 2 2 4 0 4 3	1	2 1 6 0	4 1 5 0	3 3 0 6 0	3 6 0 5 0 3 1	8	4 5 4 1 0 1 2 0 0	3 4 1 0 2 2	3 2 3 0 4 3	3 1 4 0 1 4 2	3 1 12 0 1	4 2 4 0 2 3 3	4 2 5 0 1 3 3	3 5 1 1 3 3	3 2 5 1 0 3 3	2 4 1	3 2 3 1 1 3 2 2	2 2 3 1 1 4 2 2 2 0	3 3 1 1 5 2	2 2 1 0 3 1 2	2 4 0 1 3 2	2 2 4 0 1 3 4 2	3 3 2 1 3 2
10	1	!	2	0	1	0	1 2	1	0	0	0	0	0	1 2	1 2	;	2	1 0	1	2	1	4	4	0	;
11 12 13 14 15 16 17 18 19 20	0 1 2 0 3 1 0 0 3 3	0 0 3 0 3 1 0 0 3 2	1 0 3	0 1 0 4 1 1 1 4 1	0 0 1 0 4 2 2 2 1 3 1	0 0 1 0 3 1 1 1 1 2 1 1 2	0 0 1 0 2 1 1 1 1 1 1 1 1 1 1 1	011200221	0 0 1 1 3 0 1 2 1 1	3 1 0 2 3 3 0 1	2 1 8 0 2 2 3 2	0 3 1 1 2 2 3		=	2 2 1 5 3 6 1 1 2 3	0 3 1 5 3 5 1 1 2 2	1 3 1 8 3 2 1 2 2 2 3	1 2 1 7 3 2 1 4 4 2 4	1 2 3 3 1 1 4 2 4	021132211225	0 2 1 3 4 4 4 4 4	0 3 1 3 4 1 0 2 6 7	31 32 00 03 35 4	2 2 1 3 1 0 0 3 5 3	3 3 1 1 2 3 3 3
22	••••	••••	;	••••			••••	••••	1	1	3	3		3	3	4	5	4		2	2	2	2	2	
23 24 25 26 27	0	0	0	0	0	0	1	2	4	2	2		DATA	1 2 Inval Inval	. 01	?	3	5	4	••••		°	••••	••••	2
28	••••	****	••••	••••	****	••••	••••	****	••••	****	••••	••••	****	••••	••••	0		1	1	1	1	1	1	0	*****
29	0	1	9	1	0	0	ò	- 1	5		ŏ	4	5	4	5	4	2	2 3 3	2 2 3	3	2	2	2	2	9
30	í	2		i	i	ĭ	1	i	1	- 1	2	2	2		3	3	3	3	3	3 2 3	3	2	3	3	2 2
31	2	2	2	2	1	1	1	2	3	3	5	4	3	3	3	3	3	3	3	2	2	3	3	2	3
MEAN	2	2	2	1	1	1	1	2	2	1	2	2	3	3	2	2	3	3	2	2	2	2	2	2	1.9

PERCENTAGE OF DATA VALID - 85.1 PERCENTAGE OF DATA INVALID - 13.8

PERCENTAGE OF DATA UNAVAILABLE - 1.1

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEJS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POL	LUTANT	- s	ULP	HUR DIO	XIDE	2						1	UNITS	- 0.0	O1 PAI	RTS/M	ILLIO	N						
	STA	TION -	SW	NO	12008		467	UNIVER	RSITY	AV WE	ST F2	WIND	SOR			MON	тн	AUG	77						
HOUR	Ĩ	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	. 19	20	21	22	23	24 N	EAN
3 4 5 6 7 8 9	2 2 1 2 1 0 4 1 1 1 1	2 1 1 1 0 9 1 1 1	2 1 1 2 0 0 0 2 2 1	1 1 0 0 0 1 1 1	1 1 1 0 0 1 1 1 1	1 1 1 0 0 0 1 1	1 0 1 1 1 0 0 0 1 1 1	ō	0	1 1 4 0 0 0 0 1 1	1 1 2 4 2 0 0 0 0 0 2	1 3 3 2 1 0 0 5	1 2 4 3 2 0 0 0 4	1 2 3 4 2 0 0 7 0 4	1 2 3 4 2 0 1 1 0 5	1 3 2 4 1 0 1 0 1 5	1 2 2 1 2 0 1 0 1 5	1 2 2 2 2 2 1 0 1 5	1 2 2 1 1 1 0 0 3	1 2 2 1 0 6 1 0 1 3	1222151003	1 2 2 2 0 4 1 0 1 2	2 2 0 3 1 1 1 3	1 2 2 0 3 1 0 1 2	1 2 2 2 1 1 1 1 1
11 12 13 14 15 16 17 18 19	2 0 0 3 2 1 0 0 1 1	2 0 0 2 3 1 0 1 1 1	2 1 1 2 2 1 0 0 1	2002210011	2 0 1 1 2 2 0 0 1 1	4001220011	3 1 1 1 2 2 	0 2	6 1 5 1 3 3 0 1 1	6 4 3 1 3 7 0	6 3 2 2 3 6 0 0	3 2 2 1 4 0 1 3	3 3 1	4 1 2 3 1 1 0 1 2 2	3 1 4 4 1 1 0 1 1	2 1 2 4 2 1 1 1 2 2	2 2 3 4 2 3 1 1 2 2	1 3 4 3 2 2 1 2 2 3	1 3 4 3 2 1 0 1 2 5	1 1 3 3 2 0 0 1 2 5	1 1 2 5 2 0 1 1 2 2	0 0 2 3 1 0 1 1 2 2	0 1 1 3 1 0 1 1 1 2	1 1 2 3 1 0 1 1 1 1 1	3 1 2 3 2 2 0 1 2 2
21 22 23 24 25 26 27 28 29 30	1 1 4 1 3 2 5 4 0	2 1 3 1 2 2 4 4 0	2 1 2 4 1 3 2 3 0	2 4 1 4 3 3 4 0	2 1 3 2 1 4 3 2 2 3 0	3 1 4 1 3 3 3 2 0	2 1 2 1 3 2 2 1 0	1 1 2 4 3 3	7 1 2 2 2 4 4 2 0	6 1 0 2 4 4 4 1	4 3 2 2 6 4 3 0 2	4 2 3 4 7 3 0	4 2 5 3 4 11 3 0 2	3 8 3 3 3 4 0 2	2 1 2 3 3 4 4 5 0 4	3 0 2 3 3 5 5 7 0 3	3 0 2 2 4 3 6 5 0 4	3023436904	2 0 2 2 3 3 7 7 0 2	20223358	1023343601	1 1 2 3 3 4 3 4 0 1	1 1 2 2 2 4 2 4 0 1	1 1 2 2 2 3 4 7 0 1	3 2 3 2 4 4 5
31 MEAN	2	2	1	1	1	1	1	0 2	1	2	5 2	2	4 3	2	3 2	2	2	1	1	1	1	0 2	0	2	1 1.8

PERCENTAGE OF DATA VALID - 98.4 PERCENTAGE OF DATA INVALID - 1.5 PERCENTAGE OF DATA UNAVAILABLE - 0.1

NOTES 1. ****** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEJS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNITS - 0.01 PARTS/MILLION

	ST	ATION	1 - SW	NO	12008	3	467 U	NIVER	SITY	AV WE	ST F	2 WINE	SOR			MON	TH -	SEP	77						
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
11	1	0	0	О	0	0	0	0	1	3	0	2	2	1	1	1	1		0	0		0	0	0	1
2	0	0					0	0	0	0	0	3	2	2	0	0	0	0	1	2	2	2	2	2	1
3	1	2		1	2	1	1	1	1	1	1	1	1	1	0	2	2	2	2	1	2	2	2	1	1
4	1	1	0	0	1	1	1	11	1	1	2	3	3	5 2	4	5	5	5		4	3	3	3	3	3
5	4	5	4	3	2	3	2	2	2	2	2	2	3	2	3	3	3	2	5 2 4 0	2	ī	1	1	1	2
6	1	1	1	1	1	1	1	0	2			1	1	1	2	2	1	4	4	2		1	1	1	1
7	0	0	Ó	0	0	0	0	0	- 1	1	0	0	1	1	1	o	0	0	0	ō	o	0	0	0	0
8	ō	ŏ	ō	0	0	0	0	3	5		2	2	2	1	1	2	1	1	ō	1	ŏ	ō	o	o	1
9	1	ŏ	1	- 1	2		4	5	2	5	9			6	5	6	6	7	6	6	5	5	4	4	5
10	5	4	5	7	7	6	7	4	3	3	3	4	10	2	2	1	1	1	1	ŏ	ō	ŏ	1	0	3
11	0	0	0	0	0	1.	0	0	0	0	2	1	1	ï	1	2	2	2	2	2		2	1	1	•
12	0	0	1	0	0	1	1	0		2	4	3	2	2	2	9	8	3	1	1	3			0	2
13	0	0	0	0	0	0	0	0	1	1	1	2	2	1	1	1	1	1	0	0	ō	1	1	1	1
14	1	1	1	1	0	0	0	0	1	1	1	2	2	2	2	2	140	- 2	2	2	5	5	2	2	2
15	2	1	1	1	1	2	1	2	2	2	2	4	2	1	1	1	2		1	1	ō	1	1	1	1
16	2	- 1	î	0	1	1	1	0	0	ī		2	3	5	4	5		4	3	2	2	2	2	2	2
17	3	4	4	2 3	1	2	1	2	2	3	5	5	5	5	4	4	4	4	4	4	3	3	3	3	3
18	3	2	3	3	2	2	3	2	2 2	3	5	3	3	4	4 2	3	3	2	2	2	5	ī	1	3	2
19	2	2	1	1	ō	1	0	1	ō	0	3			2	2	2	3	2	2	- 7	ī	1	1	2	ī
20	1	2	2	1	0	2	3	3	4	1	1	0	0	0	ō	ō	0	0	• • • •	••••	• • • •	••••	• • • •	••••	1
21	••••	••••		••••	• • • •		••••	••••		1	0	0	0	0	1	1	1	1	1	2	1	1	1	1	*****
22	1	1	1	1	0	0	0	0	2					1	1	1	2	1	1	1	1	1	1	1	1
23	2	1	1	1	1	1	1	2	1	1	1	1	1	1	2	2	2	2	1	î	1	1	1	0	1
24	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	2 3 3 2	3	2	1	1	1	1	1	1
25	2	2	2	2	2	2	1	0	3	4	2	3	3	3	4	5	3	3	2	2	2	2	2	2	2
26	2	1	1	1	1	1	1	1	1	1	1	2	1	2	2	5	2	3	2	****	4	4	2	3	2
27	6	2	3	3	2	5	1	1	- 9	****	1	1	2	1	2	2	2	2	1	2		2	1	1	2
28	1	1	ĭ	1	1	2	2	2	2	1	2	2	2	2	2	2	2	2	2	2	2	3	2	2	2
29	2	2	2	2	2	4	3	3	2	1	1	1	1	1	2	1	1	0	2	ō	ō	1	0	1	1
30	1	ō	2	2		4	5	2	2	2	2	4	6	3	5	2	1	1	ō	1	ĭ	2	ō	Ó	2
MEAN	2	1	1	1	1	2	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1.7

PERCENTAGE OF DATA VALID - 94.4 PERCENTAGE OF DATA INVALID - 4.9

PERCENTAGE OF DATA UNAVAILABLE - 0.7

NOTES 1. ****** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. *- INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	PC	POLLUTANT - SULPHUR DIOXIDE UNITS - 0.0														.01 PA	O1 PARTS/MILLION								
	\$1	STATION .		NO	12008		467 UNIVERSITY		AV WEST F2		WINDSOR			MONTH			H - OCT 77								
HOUR	t	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1 2 3 4 5 6	0 0 1 2 1 0	0 0 1 3 1 0 2	0 0 0 1 3 1 1	0 0 1 2 1 1	0 0 0 1 1	0 0 0 0 2 0 1	00004000	0 0 0 0 4 1 0	0 0 3 1 0	0 0 1 1 2 3 0	0 0 0 1 5 1 2	0 0 2 6 1 2	2 4 1 2	0 0 1 3 2	0 0 1 3	0 0 2 1 1	0 1 0 3 1 2 2	0 0 1 1 3 1 1	0 0 1 1 4 1 1 1	0 0 1 4 4 0 1	0 0 1 5	2 2 0 0 1	0 0 1 3 1 1	0 0 1 4 1 0 1	0 0 1 3 1
9	1	2 2	2 3	2 2 5	3	2	2	3	0 1	2	1	2 2	3 2 2	1 5	1 11	1 7	14	2 2 5	3 2	3 2	1	2	2	1	2 4
11 12 13 14 15 16 17 18 19	0 1 1 0 6 0	2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2 1 1 0 2 1 1	2020110200	1 0 1 0 1 1 0 2 0 0	3 0 1 3 0	5 0 1 0 7 0 1 4 0		2 1 4 0 1 3 1 2	5 1 7 3 0 1 7	1 7 2 1 2 4	0 2 3 4 3 0 4 3	0 1 2 3 3 1 4 3 1 2	0 1 •••• 4 2 1 3 2	2 1 2 5 2 1 2 2 1 2	1 1 5 2 1 2 2 1	1 0 4 1 0 2 2 1 2	0 1 0 3 1 0 2 1 1 1	1 1 0 3 1 0 1 2 1 1	0 1 0 2 1 0 1 4 1 1	0 1 0 2 1 1 3 3	0 0 2 1 1 5 1	0 0 2 1 1 5 0	0 0 2 0 1 8 1 1 3	2 1 1 3 2 1 2 3 1
21 22 23	4	3	3 4	4	3 2	1	1	0	2 1	5 0	6	5	5 O DATA	7 O I NVAI	5 0	••••	7 0	4 0	2		3	2	2 1	3	1
24 25 26 27 28 29 30	1 1 0 1 2 1	1 0 1 1 1 1 1	1 0 1	1 1 0 1 1	1 1 0 1 1 0	0 1 2 0 0	0 1 2 0 1 1 0	1 2 1 1 1	1 1 3 0 1	3 1 2 7 2 2 1	7 3 2 6 3 2	8 3 4 4 10 3	8 6 6 5 10 3	9 6 5 7 4 3	12 4 1 3	2	7 2 2 4 4 3	3 1 3 3 1	1 1 3 2 4	3 1 2 3 2	2 1 1 3 7 1	2 1 1 5 1	1 0 1 3 1 1	1 0 2 3 1	5 2 2 2 3 2
31 MEAN	0	1	1	2	3	3	2	2	2	3	3	2 3	2	3	3		2	1 2	1	1 2	3 2	3	3	3	2 1.7

PERCENTAGE OF DATA VALID - 92.2 PERCENTAGE OF DATA INVALID - 7.7

PERCENTAGE OF DATA UNAVAILABLE - 0.1

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNITS - 0.01 PARTS/MILLION

					1300									0.000	-											
	ST	MOITA	- SW	NO	12008	į.	467 U	NIVER	SITY	AV W	ST F2	WIND	SOR			MON	TH -	NOV	77							
HOUR	1	2	3	4	5	6	7	8	9	10	1.1	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	2	2	2	2	2	1	1	1	1	0	1	2	3	3	3	3	2		3	3	5	4	2	2		3 3 2
2	3	3	2	+	****	2	2	3	3	3	3	3	4	4	4	4	4		3	2	3	2	2	2		3
3	3	3	3	2	2	3	3	2	1	2	2	4	4	4	4	5	5		4	4	3	4	4	5		3
4	5	3	3	4	5	4	3	2	2		1	2	1	1	1	2	2		- 1	- 1	1	2	1	2		
5	3	3	2	1	1	1	1	2	2	****	****		2	3	3	3	3	5	5	5	5	3	3	3		3
6	3	4	3	4	4	-4	3	3	3	3	3	- 4	3	3	3	3	4	3	3	4	4	3	3	3		3
7	3	3	3	3	3	3	3	3	2	3	3	2	2	2	2	2	1	****	****	****	****	1	1	2		2
8	2	1	1	2	2	2	2	2	2	2	3	****	3	2	3	2	****	2	2	2	4	1	3	3		2
9	3	3			-	2	2	2	1	1	1	1	- 1	1	1	- 1	1	1		1	0	0	0	0		1
10	0	1	2	4	2	2	3	2	1	****	2	2	2	2	2	2	2	0	1	2	3	3	4	2		2
11	2	1	1	1	1	1	0	0	0	0	0	0	0		0	0	0		0	0	0	0	0	••••		0
12	****	****	****	****	****		****	0	0	0	0	0	0		0	0	0			****	1	1	0	0	****	
13	0	0	1	0	0	0	0	0	0	0	0	1	0		0	0	0	0	0	0	0	0	0	0		0
14	1	1	0	2	1	0	1	0	0	0	0	2	6	3	2	2	1	1	2	3	1	1	1	1		1
15	1	1	1	1	2	2	1	0	2	2	5	4	2		4	3	3	3	2	1	2	3	5	3		2
16	3	2	2	2	3	3	3	2	1	. 1	1	2	. 3	4	3	3	1		4	4	5	2	1	1		2
17	1	1	1	. 1	0	1	1	2	2	****	3	3	. 2	2	3	2	2	3	4	3	4	2	2	2		2
18	2	3	2	1	1	0	1	0	0	1	2		1	****	****	0	0	1	0	0	1	1	1	0		1
19	0	1	3	2	3	5	5	3	3	3	1	2	5	4	4	2	2		1	2	4	3	2	1		2
20	2	1	2	2	3	1	3	5	4	5	4	2	1	1	1	1	0	0	0	1	1	1	0	0		2
21	0	1	1	2	3	2	2	2	3	2		2	1	2	2	1	2		0	2	1	1	1	1		1
22	1	1	1	1	1	0	0	0	1	0	0	1	1	2	2	3	3	4	5	1	0	0	0	0		1
23 24	1	1	1	1	1	1	0	0	1	1	2		2		2	2	4	4	3	3	4	4	2	2		2
24	2	2	2	1	2	2	2	1	1	2	2	2	1	2	1	2	1	1	1	1	2	- 1	- 1	- 1		2
25	1	1	1	.1	1	1	1	Ť	0	0	1	1	1	2	3	1	1	- 1	2	1	1	2	- 1	1		1
26	1	1	1	1	- 1	1	1	1	1	0		1		1	1	1	- 1	- 1	1	1	1	1	1	- 1		1
27		2	5	6	7	8	6	3	2	3	2	1	1	. 1	1	0	1	1	1	2	3	2	2	4		3
28	5	4	6	4	5	4	4	5	5	2		4	6		5	4	4	4	5	6	6	9	4	3		5
29	4	3	3	5	4	4	4		-	2	4	3	3		4	3	2		3	3	2	2	****	2		3
30	2	*	1	1	2	2	3	3	*		1	0	0	1	****	****	2	3	3	3	3	2	2	2		2
MEAN	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	.0

PERCENTAGE OF DATA VALID - 94.3 PERCENTAGE OF DATA INVALID - 4.0

PERCENTAGE OF DATA UNAVAILABLE - 1.7

NOTES 1. "***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

		OLLUT	ANT	- \$	ULPH	UR DIO	XIDE								UNITS	- 0.0	1 PAR	TS/MI	1110	v.							
															011110	0.1				,							
	5	DITAT	N -	SW	NO	12008		467	UNIVERS	SITY	AV WE	ST F2	WIND	SOR			MONT	гн - г	DEC	77							
HOU		2		3	4	5	6	7	В	9	10	11	12	13	14	15	16	17	18	. 19	20	21	22	23	24	MEAN	
1 2 3 4 5 6 7 8 9	1 2 4 6 2 1 1 1 8 3	4 6 3 1 2 7		2352227866	1 4 6 2 3 1 5 4 5	1 3 6 2 3 0 3 4 5 4	1 3 7 2 4 0 2 6 5 3	0 3 3 2 4 1 2 7	2 1 3 5 1 2 7 5	1 3 1 3 5 1 2 7 5 6	512115525	523226428	3 2 3 1 2 5 3 10	3 2 4 1 7 4 4 7	3 3 4 2 1 - 4 4 3	4 1 4 6 1 1 4 4 4	3 2 3 4 1 1 4 3 4 5	4 4 2 4 0 1 5 3 4 5	4 4 2 3 0 1 5 2 5 6	3 6 2 4 0 1 4 2 4 6	1 5 2 3 1 1 6 2 4 7	1 6 2 3 0 1 3 2 6 5	1 5 2 3 0 1 8 1 6	1 5 3 3 0 1 5 1 5 7	3 4 3 0 1 7 2 4 3		2 4 3 3 2 1 4 4 4 6
11 12 13 14 15 16 17 18 19 20	3 2 2 2 1 1 1 0 0 1	3 2 1 1 1 0 1		6 4 2 1 1 0 0 2 2 1	4 4 2 1 1 0 0 1 1 1 1	4 3 2 1 1 0 1 2 1	5 4 2 2 1 0 0 2 1 1		4 3 2 2 3 4 1 0 0 1 1 2 3	3 4 3 2 3 0 0 1 1	3 4 2 1 2 1 2 1 0	2 4 3 1 3 1 1 0	2 4 3 **** **** 3 1 2	33 2 3 1 3 0 5	2 3 4 2 4 2 2 0 3	1 4 4 3 5 2 2 0	2 4 3 1 5 4 2	2 2 1 1 5 2 - 0 1	2 2 1 1 0 4 1 3 1 0	2 2 2 1 0 3 2 4	5 2 2 1 0 2 1 2 0 1	3 2 1 1 0 1 1 1 0 0	3 2 1 1 1 1 1 0	3 2 2 2 0 1 1 1	3 3 2 1 1 1 1 1 0		3 3 2 1 1 2 1 2 1 1
21 22 23 24 25 26 27 28 29 30		3 2 1	3 3 3 4 4	0 2 6 2 1 3 5 4 5 3	0 3 7 1 0 3 3 3 5 5	4 6 1 0 3 1 3 6	0 5 2 1 0 2 0 3 6 7		0 0 5 5 4 4 4 1 1 1 1 1 2 3 0 0 0 2 2 4 2 7 6	0 4 3 1 1 3 0 0 3 7	4 2 1 2 3 0 1 4	0 4 3 1 1 3 0 0 7 9	0 3 2 1 1 3 3 0 6	0 4 5 1 2 3 1 0 5 9	6	0 1 5 1 1 2 1 3 6 3	0 3 5 1 1 1 2 2 3	1 2 4 1 1 2 1 2 3 3	2 1 2 1 1 0 1 2 3	2 6 4 1 1 0 4 2 3	1 4 4 0 1 2 0 6 4 2	2 1 5 1 1 3 2 5 3 2	1 1 6 1 0 2 4 5 2 1	2 2 5 2 1 2 2 2 3 2	5 1 6 1 3 2 4 3 3		1 3 4 2 1 2 1 3 4 5
31		1	1	2	2	2	1		2 2	2	3	3	2	3	1	2	2	1	1	2	1	1	1	1			2
MEA	N :	2	3	3	3	3	3		3 3	2	2	3	3	3	3	3	2	2	2	2	2	2	2	2	2	2	. 5

PERCENTAGE OF DATA VALID - 98.0 PERCENTAGE OF DATA INVALID - 1.3

PERCENTAGE OF DATA UNAVAILABLE - 0.7

- 2. "-" INDICATES DATA IS UNAVAILABLE
 - 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1977

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION -	C 141	NO . 2008	467 UNIVERSITY	AU WEST	E2 WINDSOR	

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	29	2.8	4	11
FEB	27	2.7	7	1.7
MAR	31	2.3	6	17
APR	30	2.6	6	22
MAY	31	2.5	4	18
JUN	30	2.1	4	10
JUL	26	1.9	3	12
AUG	31	1.8	5	11
SEP	29	1.7	5	10
OCT	30	1.7	5	14
NOV	29	2.0	5	9
DEC	31	2.5	6	10
YEAR	354	2.2	7	22

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

MONTHLY GRO	UP FREQUENCY	DISTRIB	UTION FOR	1977			
POLLUTANT -	SULPHUR DIO	CIDE				UNITS - 0.0	1 PARTS/MILLION
STATION - S	W NO 12008	467	UNIVERSITY	AV WEST	F2 WINDSOR		
MONTH	00 TO 04 05	5 TO 10	11 TO 14	15 TO 25	26 TO 39	40 AOVER	TOTAL
JAN	565	134	1	0	0	0	700
FEB	536	100	5	2	0	0	643
MAR	647	64	6	1	o	0	718
APR	602	93	2	3	0	0	700
MAY	656	64	7	3	0	0	730
JUN	631	66	0	0	0	0	697
JUL	594	38	1	0	0	0	633
AUG	690	41	1	0	0	0	732
SEP	637	43	0	0	0	0	680
ост	635	47	4	0	0	0	686
NOV	639	40	0	0	0	0	679
DEC	612	117	0	0	0	O	729
YEAR	7444	847	27	9	0	0	8327

FREQUENCY	DISTRIBUT	ION BY PE	RCENTILE	S								
	PERCENT OF DATA				FREQUENCY		TRATIONS					ARITH
	VALID	MIN	10	30	50	70	90	95	98	99	MAX	MEAN
	95.1	0	0.0	0.6	1.3	2.3	4.1	5.4	7.1	8.4	22	2.2

UNITS - 0.01 PARTS/MILLION

	PO	LLUTAN	NT - 5	SULPH	UR DI	DXIDE								04112	0.	01 5	MILL SYN	ILLEIG								
	ST	ATION	- SW	NO	12013		FILTR	AT PL	T 366	5 WYA	NDOTT	E ST E	WIN	DSOR		MO	NTH -	MAL	77							
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	. 19	20	21	22	- 23	24	MEAN	
1 2 3 4 5 6 7 8 9												- DAT - DAT - DAT - DAT - DAT - DAT - DAT - DAT	A UN A UN A UN A UN A UN A UN A UN	AVAIL AVAIL AVAIL AVAIL AVAIL AVAIL AVAIL	ABLE ABLE ABLE ABLE ABLE ABLE ABLE											
11 12 13 14 15 16 17 18 19	****	****	****			;			****	::::		- DAT - DAT - DAT - DAT - DAT - DAT	A UN A UN A UN A UN DATA	NAVAIL NAVAIL NAVAIL NAVAIL NAVAIL INVAL	ABLE ABLE ABLE ABLE ABLE ABLE	:	****	****	****	0 2	0 2	0 4	0 4	0 3		. 2
21 22 23	2 0	4 0	1 0	1 0	0	0	0	1 0	1 0	1 0	1 1 2	0 1 3	1 1 3	0 1 3	0 1 2	1	1 0	0	0	0	0	0 0 1	0	0)	1 0 1
24 25 26 27 28	3000	3 1 0 0 2	3 2 0 0 1	1 2 1 1 0 1	1	3 1 0 1 2	1 1 0 3 3		3 3 1	3 2 2 2 2 3	3 2 1 2 3	4 2 1 1 2 2	1 1 2 2	3 0 3 1	3 1 0 1 0 2		0 0 0 0	0 1 2 3	3	4 0 2 3 3	7 0 0 2 5 4	4 0 0 1 3 3	4 0 0 1 3 3	0000		3 1 1 1 2 2
30	3	4	4	4	2	3	4	4	3	2	1	1	3	2	3	1	1 1	_	_	1	3	0	0	1		3
MEAN	1		2	1	1	1	2			2	2	2	2		1	,	1 1	1	2	1	2	1	1	,	1 1.	5
PERCE	NTAGE	OF D	ATA V	ALID	- 38.	6		PERC	ENTAGE	E OF	DATA	INVALI	D -	5.0		1	PERCEN	TAGE	OF DAT	A UNA	VAILA	BLE	- 56.5	į		

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. -- INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	PO	LLUTAN	T - 5	SULPH	HUR DI	OXIDE								UNITS	- 0.0	1 PAR	TS/MI	LLION	4						
	ST	ATION	- SW	NO	12013		FILTR	AT PL	T 3665	WYA	NDOTTE	ST	E WIN	NDSOR		MONT	Н - F	EB	77						
HOUR	1	2	3	4	5	6	7	8	9	10	1.1	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1 2 3 4 5 6 7 8 9	0 0 2 1 1 1 1 4 9 3	0 0 4 1 1 1 0 2 9	1 0 4 1 1 0 0 2 9 4	1 0 3 1 1 0 0 2 8 2	1 1 2 1 1 0 0 1 7 1	1 4 2 1 1 0 0 2 6	1 4 5 0 0 0 4 5 1	1 1 5 1 0 0 6 6	1 2 4 1 1 0 1 4 7	1 10 2 3 1 1 1 3 4 7	2 3 1 1 2 5 8 6	1 2 3 1 1 3 4 11 8	1 4 2 2 0 1 3 4 8 7	1 2 1 2 0 1 3 4 9	0 7 0 1 0 0 2 4 8 4	0 3 0 0 1 0 3 5 7 6	0 3 0 0 1 0 3 5 4 6	0300103545	0 0 1 0 2 6 3 3	0 3 1 0 1 1 2 4 4 3	0 2 1 1 1 1 3 3 3 3	0 1 1 0 1 4 4 2	0 1 1 0 1 1 7 4 3	1 1 3 9 3 4	1 3 2 1 1 1 2 4 6
11 12 13 14 15 16 17 18 19	3 1 2 0 0 0 1 1 1 2 2	3 1 1 1 0 0 1 2 2	2 0 1 1 0 0 2 2 2	2 0 1 1 0 0 2 2 2 1	2 0 1 1 0 0 1 2 2 2 2	2 0 1 1 0 0 1 2 2 1	2 0 0 1 0 0 1 3 2 1	2 0 0 1 0 0 1 3 2 1	4 0 0 1 0 3 3 2	6 0 0 1 0 2 4 3 2	5 1 1 0 2 4 6 2 2	4 1 0 0 2 4 6 2 2	31100024521	3 1 1 0 0 1 4 4 2	2 0 1 0 0 3 4 2 1	2000002222	200000000000000000000000000000000000000	1 0 0 0 0 1 3 2 2 1	1 1 0 0 0 1 3 3 2 1	1000002321	1 0 0 0 0 0 1 3 2 1	1 0 0 0 1 0 1 4 1 1	1 0 0 0 1 1 1 1 4 1 1 1	1 0 0 0 0 1 1 4 2 1	2 0 1 0 0 1 2 3 2 1
21 22 23 24 25 26 27 28	1 1 0	2 1 0	2 1 0	2 1 0		1 1 0	0	0	2 0	3 0	2 4 1			2 INVAL INVAL INVAL INVAL	ID -	1	2 4 0	2 3 0	2 5 0	2 1 0	0	2 1 0	1 1 0	!	2 2 0
MEAN	2	2	2	1	1	1	.1	2	2	2	3	3	2	2	2	2	2	2	2	1	1	1	1	2	1.7

PERCENTAGE OF DATA VALID - 81.7 PERCENTAGE OF DATA INVALID - 18.2

PERCENTAGE OF DATA UNAVAILABLE - 0.1

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNITS - 0.01 PARTS/MILLION

	ST	ATION -	- SW	NO	12013		FILTR	AT PL	366	5 WYA	NDOTTE	ST	E WIN	DSOR		MON	тн -	MAR	77						
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
DAY																		-	-				1	1	
1		**** **					****	••••	••••		••••				••••		- 1	2	1	1	3	5	10	Ś	5
2	1	2	4	3	4	5	5	4	7	9	8 4 4	10	8		4	3	2	- 1	ž	ő	0	ō	ő	ő	1
3	3	3	2	2	2	1	1	1	2	72	0		0	ò	,	0	- 1	- 1	ĭ	ĭ	1	2	2	1	1
4	0	0	0	0	0	0	0	0	1	1	٠	•	1	1	1	1	i		i	i	ò	ō	ō	Ó	1
5	1	0	1	0	0	0	0	0	0	1	i	1	2	1	1	i	i	1	1	1	1	2	1	1	1
6	1	- 1	1	1	- 1	- 1	ò	0	1		- 1	;	- 1	4	1	i	1		1	2	2	3	4	4	1
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6	ŏ	,	1	1	2	2	3	2	3	ō	- 1	2		2	2	2	5 2 5	3	2	2	2	2	2	1	2
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10	•	•		•	•																			2	120
11	0	0	0	0	0	0	0	0	0	3	7	2	1	1	3	3	2	2	1	1	2	2	2	1	1
12	1	2	1	1	1	1	0	0	0	0	0	0		0	0		0	0	0	0	0	0	0	0	ŏ
13	0	0	0	0	0	0	0	0	0	0	0	1		1	2		0	0	0	0	0	0	0	Ö	ŏ
14	0	0	0	0	0	0	0	0	0	0	1	0		0	0	0	0	0	0	0	0	0	Ö	ő	č
15	0	0	0	0		0	0	0	0	0	0	0	0	0	1	0	0	0	ò	Ö	0	Ö	ŏ	ŏ	ŏ
16	0	0	0	0	0	0	0	0	0	0	0	0		1	0		1	1	1	1	1	1	ĭ	ĭ	ĭ
17	0	0	0	0		0	0	0	0	0	0	1		ò	0		ò	ò	ó	ò	ò	ò	ó	Ó	Ó
18	0	0	0	0		0	0	0	0	0	0			4	3		3	4	3	4	2	ĭ	1	1	2
19	0	0	0	0		0	0	0	0	1	ō	8		7	,	,	1	- 7	1	1	- 7	1	1	1	1
20	2	2	1	1	2	- 1	1	1	0	U				*						,					
	1	1	1	1			1	1	1	2	2	1	1	2	2	2	1	1	0	0	2	4	4	4	2
21	7	3	2	Ė	À	à	ò	ò	ò	ō	ō	0		0	ō		1	0	0	1	1	0	0	1	1
23	- 1	,	1	,	1	3	4	2	4	4	4	2	1	2	1	1	****				****			****	2
24		*		,				-					DATA	INVA	LID -										
25								****				••••	****	****		****	0		1	0	٥	0	0	0	*****
26	0	0	0	0	0	0	0	0	0	0	0	0		0	0				0	0	0	0	0		٠
27	0	0	1	0	0	0	1	1	2	2	2	2	2	1	0		0	****	****		****		****		19.0
28													DATA	INVA	LID -		0							î	
29		****		****		****	****	••••			****	••••								1	1		à	3	2
30	1	1	1	1	1	1	1	1	1	1	1	- 1	2	2	3	3	3	,	3	-	3	-	-	•	_
4.2		_	_		-	0	0	•			0						0	0	0	0	0	1	1	0	1
31	2	2	2	2	1.	U	U	0	U								- 2		=		-				20 200
MEAN	1	1	- 1	1	1	1	1	1	1	1	2	1	1	4	1	1	1	1	1	1	1	1	1	1	1.0

PERCENTAGE OF DATA VALID - 84.0 PERCENTAGE OF DATA INVALID - 16.0

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. ****** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. *- INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT . AIR RESORCES BRANCH

	PO	LLUT AN	r - s	ULPH	IUR DI	OXIDE								UNITS	٠ ٥.	01 PA	RTS/M	ILLIO	N						
	ST	ATION	- SW	NO	12013	1	FILTR	AT PLT	3665	WYA	NDOTTE	ST	E WIN	DSOR		MON	TH -	APR	77						
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 1	MEAN
1 2 3 4 5 6 7 8 9	0 0 1 0 1 0 2 1 1 0	0 0 0 0 2 1 3	0 1 0 0 0 1 2 7	0 0 1 0 0 0 1 5 1	0 0 0 0 0 1 3	0 0 0 0 0 0 1 2	0 0 0 0 1 1 2 0	0 0 0 0 2 1 3 2	0 0 0 0 0 1 3 1	2 0 0 0 0 0 2 1 3 1	1 0 1 0 0 0 1 1 2 1	000000000000000000000000000000000000000	0 0 1 0 0 1 1 2 3	0 0 1 0 0 0 1 1 2 3	0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	100002152	0 1 0 0 0 2 1 5 2	1010002132	1 0 1 0 0 0 2 1 3 2	1010022224	1 0 1 0 0 0 1 1 1 2	1 0 0 1 1 1 1 2	0 1 0 0 1 1 1 1 3	0 1 0 0 1 0 2 1 2	1 0 1 0 0 0 0 1 1 1 3 2
11 12 13 14 15 16 17 18	2 6 3 13 9 1 2 4	2 8 3 18 7 2 1	2 6 4 15 4 2 1	1 6 7 6 5 2 1 3	1 5 6 6 5 2 1 3	15552223	1 2	2 4 4 7	2 8 4 5 2 2 2	3 7 4 11 0 1 2	2 6 4 13 0	2 4 3 10 0 2 2	2 3 3 17 0 2 3	2 3 6 2 1 4	3 3 6 0 1 3	2 3 3 5 1 1 3	3 3 2 5 2 2 2 3	3 5 2 7 3 2 3	4 3 2 5 3 2 3	4 7 3 8 3 1 3	3 5 2 13 5 1 3	3 6 2 3 5 1	5 9 2 4 4 1 3	4 6 1 3 4 1 2	2 5 3 8 3 2 2
20 21 22 23 24 25 26 27 28 29 30	2 2 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 2 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2 2 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 2 1 0 0 0	2 2 1 0 0 0 0	20	0 0 0 0 0 0	1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2 1 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	4 1 4 1 0 0 0 2 1 1	4 0 0 1 0 0	0 1 0 0 1	000000000000000000000000000000000000000	000000000000000000000000000000000000000	0 0 0 0 0 0 0		3 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2 1 0 0 0 0 1 0 1 0 1 0	3 0 0 0 0 0	2 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2 1 0 0 0 0 1	7000	2 1 0 2 2 2 13 1 0	2 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2 1 0 0 0 0
MEAN	2	2	2	2	2	1	1	2	1	2	2	2	2	1	1	1	1	1	5	2	2	2	2	1	1.7

PERCENTAGE OF DATA VALID - 87.2 PERCENTAGE OF DATA INVALID - 12.8

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- -- INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEJS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNITS - 0.01 PARTS/MILLION

	STA	TION -	SW	NO	12013	F	ILTRAT	PLT	3665	WYAN	DOTTE	5T	E WIN	DSOR		MON	тн 🗉	MAY	77						
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 ME	EAN
1 2 3 4 5 6 7 8 9	0 0 1 2 3 0 0	1 0 2 1 4 1 1 0	0 0 1 1 1 4 0 1 0	1 1 0 3 1 3 1 2 0 2	0 0 1 2 1 4 4 1 2 0 0	2 1 1 2 2 3 0 1 0 1	0 1 0 1 1 4 0 3 0	0 0 0 2 1 4 0 7 0 0	1 1 1 1 1 4 0 2	0 0 0 2 1 2 0 1 0 1	1 1 3 0 0 0 1	0 0 1 3 2 0 1 0 2	1 1 2 3 3 0 0 0	0 0 1 1 3 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2 0 1 2 2 2 0 0 0	0 1 1 3 1 0 0 3 2	0 0 1 1 2 2 0 0 1 1	1 2 1 3 1 0 0	0 0 1 1 2 2 0 0 1 1	1 1 1 3 1 0 0 0 1	0 0 1 1 3 1 0 0 0 1	1 1 2 4 1 0 0 0	0 0 1 3 1 0 0 1 1	1 1 1 4 1 0 0 0 1 2	1 1 1 2 2 0 1 1 0 1
11 12 13 14 15 16 17 18 19	1 4 3 1 4 2 2 2 1 1	2 4 4 3 3 0 2 2 1 1	1 3 3 1 3 1 2 2 1	3 3 2 2 1 2 2 1 0	2 4 3 1 1 1 1 2 1 0	3 2 3 2 1 1 0 0	2 4 3 1 1 1 1 0 0 0	2 3 3 3 2 1 2 2 0 2	2 3 1 1 3 3 2 0 4	1 3 2 2 1 3 5 2 0 3	1 2 1 1 1 3 6 2 0 4	2 2 2 2 1 5 4 2 0 3	2 2 2 0 1 **** 3 2 1 5	2 2 1 2 5 3 1 1 9	1 2 3 2 1 4 4 1 3 5	2 2 2 1 3 5 1 2 4	2 3 2 4 1 4 5 2 1 3	222246213	4 2 2 2 1 8 6 2 1 3	2 2 2 3 1 4 5 2 1 3	3 2 2 7 1 3 5 2 1 3	2 2 2 5 1 3 3 2 1 3	4 2 2 4 1 3 3 1 1 3	4 3 2 4 1 2 2 1 1 4	2 2 2 3 3 2 1 3
21 22 23 24 25 26 27 28 29 30	4 3 2 2 2 1 5 0 3 0	5 3 2 2 1 0 3 0 2 0	4 3 2 1 0 1 0 2	3 2 2 2 1 0 1 0	3 2 2 2 1 0 0 0 1 0	2 2 2 1 0 0 0 1 0	2 1 1 1 1 1 1 2 1 0	3 1 2 2 1 2 1 2 0	3 1 2 3 1 ****	3 2 4 2 0 5 0	4624300400	5 3 3 3 0 0 1	0 0 2	3 4 6 3 **** 0 0 2 0 2	3 4 6 3 , 0 0 4	4 3 3 1 1 4 0	4 4 2 3 2 1 1 5 0 1	4 4 2 3 1 1 0 5 0 2	4 3 3 3 2 1 5 0 4	5 3 3 1 2 1 5 0 3	5 3 3 1 2 1 5 1 9	5 3 3 1 7 1 7 0	5 3 2 1 6 1 5 0 9	5 3 2 1 6 1 4 0 6	4 3 3 3 1 1 1 2
31 MEAN	4	2	2	1	1	1	1	1 2	1 2	1 2	1 2	1	3	3	3 2	2	2	2	2	2	2	3	1	1	1.8

PERCENTAGE OF DATA VALID - 98.4 PERCENTAGE OF DATA INVALID - 1.6

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ******* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POLL	UTANT	- 9	SULPH	IUR DIO	XIDE							u	NITS	- 0.0	1 PAR	TS/MI	LLION	(
	STAT	ION -	SW	NO	12013		FILTRAT	PLT	3665	WYAN	DOTTE	ST	E WIND	SOR		MONT	н - J	UN	77						
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 ME	AN
1 2 3 4 5 6 7 8 9	2 0 1 1 4 2 0 1 2 1	4 0 2 1 3 1 0 0	3 0 1 1 3 1 0 2	2 0 1 2 3 1 0 1 1 1	2 3 0 0 1 0 0	2 0 0 2 3 0 0 1 0 3	2 0 1 2 3 0 0 2 0 4	2 0 1 3 2 0 0 0 0 2	2 0 0 5 2 1 0 1 0 4	3 0 1 4 2 1 0 1 0 2	2013200102	2 0 1 2 2 1 0 1 0 2	1 0 1 2 3 1 1 1 1 2	002210322	0 0 3 3 1 1 0 1 1 1	0 0 3 3 2 2 0 1 1 2	0 0 4 3 1 1 0 1 2 1	0 0 4 4 2 2 1 2 1 1	0 0 5 4 1 0 1 1 1 2	0 0 3 5 3 0 1 1 0 3	0024101223	0 0 1 4 2 1 2 1 1 2	0 0 1 4 1 0 1 1 2 2	0 0 1 3 1 1 1 1 2 2	1 0 2 3 2 1 0 1 1 2
11 12 13 14 15 16 17 18 19 20	2 2 2 2 2 1 0 0	1 2 2 2 2 1 1 1	1 1 1 2 2 2 3 0 2 2	1 2 0 2 2 2 2 2 0 2 2 2 2 2 2 2 2 2 2 2	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	0 1 0 2 2 1 1 0 2 0	0 0 1 1 0 2 1 0 1 0	0 0 1 2 0 3 2 0 0 0	0 0 1 2 3 3 3 0 0 0	0 0 1 7 4 3 0 0 0	1 0 0 1 3 3 2 0 0 0	402242000	13 2 2 2 2 5 3 0 0	7 2 1 1 2 9 2 0 0 0	5 2 1 1 2 0 0 0	4 2 3 2 2 3 2 0 0 1	2222242001	3 2 2 3 5 3 0 0 1	2 2 2 2 3 3 2 0 0 1	7 3 3 3 2 0 0 1	3 1 10 3 3 3 1 0 0	4 2 7 2 3 3 1 0 0	4 1 5 3 2 1 0 0	2 2 5 2 2 2 1 0	3 1 2 2 2 3 2 0 0
21 22 23 24 25 26 27 28 29 30	0 1 2 2 3 4 2 3 4 1	0 2 1 2 3 6 2 3 3 1	0 3 1 2 4 6 2 3 2	0 2 1 3 3 4 1 3 3 0	0 1 3 3 2 1 3 2 0	0 1 3 3 2 1 3 2 0	0 1 1 3 3 2 0 3 2 0	0 2 1 4 2 2 0 4 2 1	0 1 1 5 2 1 0 5 2	0 1 1 4 2 1 0 7 2 2	0 0 1 3 2 1 1 6 1 3	0 0 3 3 1 1 6	0 0 1 3 3 1 1 5	0 0 1 3 4 1 1 5	0 1 1 3 3 2 1 5 5	0233321611	0 3 3 4 3 2 3 5 1 1	1 3 2 4 3 3 6 6 1 2	1 3 2 4 3 3 4 6 1 2	1 2 4 5 3 6 6 2 2	1 2 2 4 6 3 5 6 1 2	1 2 3 6 2 5 6 1 2	1 2 2 3 6 2 4 5 2 2	1 2 3 5 2 5 5 2 2	0 2 1 3 3 2 2 5 2
MEAN	2	2	2	2	1	1	1	1	2	2	1	1	2	2	2	2	2	2	2	2	2	2	2	2	1.7

PERCENTAGE OF DATA VALID - 99.7 PERCENTAGE OF DATA INVALID - 0.3

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNITS - 0.01 PARTS/MILLION

PERCENTAGE OF DATA UNAVAILABLE - 0.0

PERCENTAGE OF DATA UNAVAILABLE - 0.0

				302.																					
	ST	ATION	· 51	NO	12013		FILTR	AT PL	T 3665	WYA	NDOTTE	ST	E WIN	DSOR		MON	чтн -	JUL	77						
HOUR		2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
DAY	•	-	_																						
1	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	2	2	2	2	2	2	3	3	3	2
2	- 1	1	1	1	1	1	2	4	4	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2
3	1	1	1	1	0	0	0	0	3	2	2	2	8	3	3	3	3	3	3	4	4	4	4	4	- 2
4	3	3	3	3	4	4	3	3	2	2	1	2		2 2 4	2	2 4 5 4	3 6 5 4 3	3 6 5 3	3 6 5 3	2 5 5 3	4 2 4	1	1	- 1	2
5	1	- 1		2	1	1	1		1	1	1	1	2	2	3	4	6	6	6	5	4	4	3	4	3
6	3	3		4	2	3	4	3	2	3	4	4	4	4	4	5	5	5	5	5	6	5	5	4	4
7	5	ă	4	4	3	3	3	3	3	2	3	3	5	4		4	4	3	3	3	3	2	2	1	3
é	2	,	- 7	1		1	1	0	2 3 0	0	0	1	1	1		2	3	3	3	2	2	1	,	1	1
	•	- 7	- 4	1	,	0	0	Ó	o	o	0	0	0	0	0	1	0	0	0	1	2	4	3	3	1
10	4	- 1	- 4	1	Ó	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	•		,	950			-		-																
3.1	0	0	0	0	0	0	0	0	0	0	0	0	****												*****
12		••••						****								1	1	2	3	3	3	3	3	3	
13	2	2	2	2	2	2	2	2	2	1	1	1	2	2	2	1	1	2	2	2	2	2	2	2	2
14	•		1	ī	- 7	ō	ō	- 1		2	2 4														
15	:						****	****									3	4	4	5	6	6	5	4	*****
16	4	3	3	3	3	3	3	2	2	2	2	2	2	4	4	5	3	3	4	3		2	2	2	3
17	2		1	2					- 7	1	1	2	2	2	1	2	3	3		3	2	2		1	
18	1	i	- 2	ī		ò			2	- 1	2	5	5		1	1	1	1	2	1	1	0	0	0	
19	ò			ò		ō			7	1	2	2		1	1	1	1	2	1	1	1	3	2	2	1
20	2			1		1			î	1	2	2		3	3	3	4	4	6	6	6	7	7	5	3
20		,					-			*		-													
21	4	4	4	3	3	3	2	2	1	4	1	1		1	1		0	0				1	1	1	
22	1	1		1	1	1	1	1	0	0	2	1	• • • •		1	3	3	2	1		1	1	1	1	
23	1	1	1		1	0	1	1	1	1	4	3	3	4	4	4			6			3		2	
24	2			1	2	1		3	5	2	2	2		0	2	2					2	1			
25	- 7	1		2	- 1	- 1	1	1	1	1	0	0	0	0	0				1	- 1	1	- 1		0	
25 26	ó				0	0	0	1 0 0	0	0	0	0	0	0	0	0		100	,		1	٥	0	1	
27	ō			0	0	0	0	0	0	0	0	0			0	. 0			1		. 1	1			
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29	2		2		2	1	1	3	4	****	4	4	4	4		3	2	2	1	- 1	- 1	0	0	0	2
30	ō						0		1	1	1 2		0	0	1	1	1	1	2	2	2	1		****	1
				c		0	0	0	0	. 1		2	- 4	2		2	2	3	3	3	3	2	2	2	1
31	0	0									•	-		-		_		_	1	_					
MEAN	1	1	1	,	1	1	,	1	1	1	1	2	2	2	2	2	2	2	3	2	2	2	2	2	1.7

PERCENTAGE OF DATA VALID - 91.4 PERCENTAGE OF DATA INVALID - 8.6 NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. *-* INDICATES DATA IS UNAVAILABLE
- 3. ******* INDICATES LEJS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	PO	LLUTANT	- S	ULPH	UR DI	OXIDE								UNITS	- 0.	01 PA	RTS/M	ILLIO	N							
	ST	ATION -	SW	NO	12013		FILTRA	AT PLT	3665	WYA	NDOTTE	ST	E WIN	DSOR		MON	th	AUG	77							
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1 2 3 4 5	2 1 1 0 3	2 1 1 1 2	1 1 1 2	2 0 1 1	0 0 0	0 0 0	0 2 0 0 1	0 2 0 1	0 2 1 1	0 2 1 1	0 1 6 3		10	6 3 2	0 4 5 6 2	0 4 3 6 3	0 4 4 3 3	0 3 4 3	0 3 3 4	1 3 2 3 3	0 3 1 4 3	0 3 1 3 3	3 3 0	0 2 0 4 2	,	2 3 2 2
6 7 8 9	2 0 2 2 0	1 0 2 2 0	1 0 1 2 0	1 0 1 1 0	0 1 1 0	0 0 1 1 0	0 0 1 0	0 0 1 0	20000	0 0 0 0	0 0 0 1	0 0 0	0 1 0 0	0	0 1 1 0	0 1 1 0	0 1 0 1	1 0 1	0 1 0 2	1 0 2	1 0 2	1 0 2	1 0 2	1 0 2		1 0 1
11 12 13	0		0 •	2 2	1 1 2	2	1 3 2	2 4 2	3 3 2	3 2 1	3		2	3	1 3	1 1 3	1 1 3	1 1 4	0 1 3	0 2 3	0 2 3	2				3
15 16 17 18 19		2 1 0	(- 0	-	-	_	1 1 0 0	2 1 0		1 0 0		2 1 1 0	DATA 1 0 1 0	1	. ID - 0 1 0 0	2	1 2 0 1	3 2 0 1	3 2 0 1	3 2 0 1	2 0 0	3 0 0	2 1 0 0	2 0 1 0		2 1 0
21 22 23 24 25 26 27 28	0 0 1 0 1 4	0 0 2 1 0 0 2 4	00200024	0 0 2 0 0 0 1 4	0 0 2	0	7 0 0 0 2	0 0 3 0 0	0 0 2 0 0 1 2 5	20100136	0 0 0 2	20200446	0 2 0 0 9 4	2 0 0 3	1 0 1 0 3 5	3 6	1 1 0 1 3 7 8	1 0 0 1 3 6	1 0 0 0 3 6	0 2 0 0 3 6	1 2 0 0 0 3 5	0 1 0 0 0 2 5	0 2 4	0 1 0 0 0 2 4		1 1 0 0 2 4 6
29 30 31	6 0	6 0	5	0	0	0	3 0 0	0	0	0		3 0 7	3	3 1 5	1 5	1 5	2	4	1 3 4	2	0	1	1 1	0 1 3		3
MEAN	1	1	1	1	,	1	1	•	1	1	2	2	2	2	2	2	2	2	2	2	2	,	1	1	1.	. 5

PERCENTAGE OF DATA INVALID - 10.3 PERCENTAGE OF DATA VALID - 89.7 NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- .. INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNITS - 0.01 PARTS/MILLION POLLUTANT - SULPHUR DIOXIDE FILTRAT PLT 3665 WYANDOTTE ST E WINDSOR MONTH - SEP STATION - SW NO 12013 24 MEAN HOUR DAY 0 5 0 0 6 0 0 6 0 ...5 0 2 0 0 2 0 . 0 3 0 12 13 14 15 16 1 0 0 0 0 1 0 2 4 0 2 2 3 2 0 3 2 0 1 0 19 20 .. ō ô o 22 23 24 25 26 27 0 2

PERCENTAGE OF DATA VALID - 93.2

 30

MEAN

PERCENTAGE OF DATA INVALID - 6.8

PERCENTAGE OF DATA UNAVAILABLE - 0.0

0.8

NOTES 1. ****** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- -- INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

POLLUTANT - SULPHUR DIOXIDE UNITS - 0.01 PARTS/MILLION STATION - SW NO 12013 FILTRAT PLT 3665 WYANDOTTE ST E WINDSOR MONTH - OCT HOUR 1.1 24 MEAN 0 0 1 2 2 2 2 1 2 12 13 14 15 16 17 18 19 20 ...3 ó ò - DATA UNAVAILABLE 0 ***** 22 23 24 25 26 27 28 29 30 0 2 0 0 10 2 3 0 0 0 3 ō ò ò o o

PERCENTAGE OF DATA VALID - 89.4

PERCENTAGE OF DATA INVALID - 0.9

PERCENTAGE OF DATA UNAVAILABLE - 9.7

- "-" INDICATES DATA IS UNAVAILABLE 2.
- 3. ****** INDICATES LEJS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNITS - 0.01 PARTS/MILLION

	ST	ATION	. SW	NO	12013	B	FILTR	AT PLT	3665	MAVI	NDOTTE	ST	E WIN	DSOR		MOM	tH -	NOV	77						
DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	1	1	1	1	1 2	1 2	1 2	1 2	0	0	0	0	0	1	1	1	2	3	2	2	1
3	ò	ó	ò	Ó	Ó	o	o	ò	ō	ō	ō	1	1	1	1	1	1	1	1	i	1	1	1	ō	1
4	1	1	1	1	1	- 1	2		1	1	1	0	0	0	0	0	0	0	0	0	0	0	1	5	1
5	6	4	0	4	2	1	1	0	0	0	0	0	0	0	0	0	0	1	0	2	1	0	0	0	1
6		0	0	0	0	0	0	0	ō	0	0	0	ō	0	0		0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	ö	o	0	0	0	ő	0	ŏ	0	0	0	0	0	0	ő
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11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	• • • •		0
13														INVAL											
14					and the								DATA	INVAL	.ID -							141			
15		••••	•••	••••	••••	••••				•••	••••	•••	0	0			••••	****	0	1	2	1	1	0	*****
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21	1	:	1	1	1	2	2	2	2	1	1	2	1	1	- 1	1		1 2	5	2	1	. !		0	!
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25	1	i	i	i	- 1	1	1	ò	ó	ó	ó	ó	o	ó	ò		ò		÷	ò	ó	ò		1	ó
26	0	0	1	1	1	1	1	1	1	1	1	1	0	0	0		0	0	0	0	0	0	0	0	0
27	0	0	1	2	4	5	4	3	3	3	2 2	1	1	1	0	0	0	0	0	0	0	0	0	0	1
28	0	0	0	0	0	1	1	1	2	3		2	2	2	2	2	2		2	2	2	2	2	2	1
29	2	2	2	2	2	3	2	2	2		3	3	3	3	3	3	2	2	2	2	2	1	1	1	2
30	1	2	1	1	1	1	1	1	0	0	0 •	• • •	1		****	****	****	1	2	2	2	2	2	2	1
MEAN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	0	1	1	1	1	1	1	1	0.7

PERCENTAGE OF DATA VALID - 89.2

PERCENTAGE OF DATA INVALID - 10.8

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. "***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. *-* INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

POLLUTANT - SULPHUR DIOXIDE UNITS - 0.01 PARTS/MILLION STATION - SW NO 12013 FILTRAT PLT 3665 WYANDOTTE ST E WINDSOR MONTH - DEC 77 HOUR 5 6 7 B 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 4 5 6 7 8 9 10 01413 11 12 13 14 15 16 17 18 19 20 3 24100 24000 24000 3 2 0 0 3 2 0 0 3 2 0 0 3 0 0 1 36001 24000 0 0 DATA INVALID 0 0 0 0000 0000 0000 0 0 0 1 0000 000 000 000 000 2 3 1 21 22 23 24 25 26 27 28 29 30 04 03621 2 4 1 1 0 0 0 0 31 1 MEAN 2

PERCENTAGE OF DATA VALID - 95.4

PERCENTAGE OF DATA INVALID - 4.6

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1977

POLLUTANT - SULPHUR DIOXIDE UNITS - 0.01 PARTS/MILLION

STATION - SW NO 12	2013 FILTRAT	PLT 3665	WYANDOTTE	ST E	WINDSOR
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MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	1.2	1.5	3	7
FEB	23	1.7	6	11
MAR	26	1.0	5	10
APR	26	.1.7	8	18
MAY	31	1.8	4	11
JUN	30	1.7	5	13
JUL	27	1.7	4	8
AUG	27	1.5	6	10
SEP	27	0.8	5	7
OCT	26	0.9	3	10
NOV	27	0.7	2	6
DEC	30	1.3	4	7
YEAR	312	1.4	В	18

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1977

POLLUTANT	*	SULPHUR	DIOXIDE	

UNITS - 0.01 PARTS/MILLION

OLLUTANT - SU	LPHUR DIO	XIDE			UN	ITS - 0.0	01 PARTS/MILLION
STATION - SW	NO 12013	FILTRA	T PLT 3665	WYANDOTTE	ST E WIND	SOR	
MONTH OO	TO 04 0	5 TO 10 11	TO 14 15	TO 25 26	TO 39 40	&OVER	TOTAL
JAN	284	3	0	0	0	0	287
FEB	505	43	1	0	0	0	549
MAR	607	18	0	0	0	0	625
APR	575	45	5	3	0	0	628
MAY	688	43	1	0	0	0	732
JUN	673	43	2	0	0	0	718
JUL	649	31	0	0	0	0	680
AUG	623	44	0	0	0	0	667
SEP	652	19	0	0	0	. 0	671
OCT	652	13	0	0	0	0	665
NOV	638	4	0	0	0	0	642
DEC	690	20	0	0	0	0	710
YEAR	7236	326	9	3	0	0	7574

FREQUENCY	DISTRIBUT	TION BY P	ERCENTILES									
	PERCENT OF DATA						TRATIONS					
	VALID	MIN	10	30	FREQUENCY 50	70	90	95	98	99	MAX	ARIT MEA
	200								-		2.0	

UNITS - 0.01 PARTS/MILLION

	STAT	TION -	SW	NO	12015		SEWAGE	P L.T	HWY	18/PR	OSPECT	WII.	NDSOR			MONT	н - "	AN	77						
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 ME	AN
1 2 3 4 5 6 7 8 9	1 1 0 0 0 0 0 0 0 2 1	2 1 0 0 0 0 0 0 0 0 0 0 0 0 1	2 1 0 1 0 0 1 0 4 1	000000000000000000000000000000000000000	1 0 2 0 0 3 0 1	0 0 3 0 1 1	2002	000000000000000000000000000000000000000	20033002211	0 0 4	4 1 3 4 0 3 2 2 2	3 1 3 5 0 3 2 3 3	3 1 3 5 0 4 2 3	4 2 1 3 4 1 3 2 2 2 2	2 2 1 5 3 1 2 2 1 3	1 2 1 5 3 1 3 3 1 2	1 1 2 2 1 2 3 1 3	1 1 1 1 2 2 0 3	0 0 1 1 1 1 2 3 1 2	0 1 1 1 0 3 3 1 3	0 1 1 0 0 2 2 1 3	0 0 0 0 1 1 1 3	1 0 0 0 0 1 1 1 3	2 1 0 0 0 0 0 1 1 3	2 1 0 2 1 0 2 1 2 2
11 12 13 14 15 16 17 18 19	3 1 0 3 1 0 3 1	3 2 1 0 2 0 1 0 2 1	2 2 1 0 2 0 0 2 1 1	2 2 2 0 1 0 0 2 1 1	2 0 1 0	2111001110011	1 0 1 0 1 0	2 1 1 1 1 1 0 2 1	1 1 1 1 0 1 1 1 1 1	4 1 1 1 1 1 1 1 2	3 9 3 1 2 2 2 1 3	4 6 3 0 2 3 2 9 2	4 5 1 3 6 2 5 2 9	5 4 3 4 5 3 4 2 7	3 2 3 3 4 3 4 7	3 1 2 2 3 2 3 4 6	1211221234	1 2 1 1 1 0 2 3 2	0 3 1 1 0 0 2 3 3	1 2 2 0 0 3 2 3	1 1 2 2 0 0 4 2 2	1 1 2 0 5 2 3	3 1 1 2 1 1 0 5 1 3	1 1 3 0 1 0 3 1 3	2 3 1 1 2 1 1 3 2 3
21 22 23 24 25 26 27 28 29 30	2 1 1 3 2 4 1 1 1 0	2 1 0 3 2 3 2 1 1 0	3 1 0 3 1 2 1 1	3 1 2 1 2 0 1 1 0	1 0 2 1 1 1 1 1 1 1	1 1 1 0	1 0 1 0 0 1	2 1 0 1 1 1 0 0 1	2 0 1 1 0 0 1 1	4 0 1 1 1 1 1 2	4 1 1 2 2 4 1	3 4 2 1 2 3 4 4 3 2	4 3 4 2 3 7 3 2	4 3 5 1 •••• 2 2 6 5 2	4 3 6 1 4 ••••• 2 2 3	3 3 5 1 4 3 2 2 2 2	2 3 3 1 4 1 4 2 4 3	2 2 1 3 1 4 4 4 2	2 1 2 0 3 2 4 1	1 1 3 0 2 2 4 1	1 1 2 2 3 2 2 3 1 1	1 1 2 2 3 2 2 3 1 1	1 1 2 2 3 1 1 2 0 1	1 1 2 2 4 1 1 1 0	3 2 2 2 2 2 2 2 1
31	0	0	0	0				1	1	1	1	2	3	3	3	3	2	2	1	1	1	2	2	2	1
MEAN	1	1	3	- 1	1	1	1	1	1	2	3	3	3	3	3	3	2	2	1	2	t	- 1	1	1	1.7

PERCENTAGE OF DATA VALID - 98.8 PERCENTAGE OF DATA INVALID - 1.2

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. *-* INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POL	LUTANT	- \$	ULPH	UR DIO	KIDE								INITS	- 0.0	1 PA	RTS/MI	LLIO	N						
	STA	TION -	SW	NO	12015		SEWAGE	PLT	HWY	18/PR	SPECT	w1	NDSOR			MON	TH - F	EB	77						
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 1	IE AN
1 2 3 4 5 6 7 8 9	2 2 1 1 0 1 1 0 5 3	2 2 1 1 0 1 1 0 6 3	2 2 1 1 0 1 1 0 6 3	2 3 2 1 0 1 1 0 6 2	2 4 2 1 0 0 1 0 5	2 3 1 2 0 0 1 0 5	2 2 2 1 0 1 3 0 5 1	3 1 2 1 0 1 1 0 5	3 1 2 1 1 1 0 5 0	3 1 2 1 3 3 1 1 6	4 1 3 1 2 3 2 2 7 0	4 7 4 2 2 2 2 2 3	4 9 6 2 3 2 4 3 8 4	3 4 5 2 3 2 5 3 7 8	3 7 3 2 2 2 6 4 6 7	3 5 1 3 2 6 3 6 7	361324355	2251212344	1 2 3 1 1 1 1 2 2 2 2	2 3 2 0 1 2 0 2 2 2	332014021	3 2 0 1 4 0 2 2	3 2 2 0 2 2 0 4 3 2	3 1 3 0 1 1 0 4 2	3 3 1 1 2 2 2 5 3
11 12 13 14 15 16 17 18 19	2 1 1 4 0 0 2 1 2 2	2 1 1 3 0 0 2 1 2	2 1 1 2 0 0 3 1 1 1 1	3 0 0 2 1	2 1 1 4 0 0 1 1 1	1 1 4 0 0 0 1 1 0	2 1 1 2 0 0 0 1 1 0	2 1 1 0 0 0 1 1 0	20110001230	3 1 2 0 1 3 4 3	5 1 2 4 1 2 3 5 2 1	4 1 2 3 2 2 6 4 2 2	6 1 2 2 3 6 5 3	6 1 1 3 2 3 3 3 2 2	7 1 3 3 2 3 4 2 2 2 2	6 1 4 3 1 2 2 2 2 2 2	5 1 4 2 1 2 2 1 2 1	3 1 4 1 1 2 1 1 2	3 1 4 1 0 1 1 1 2 1	21710111111111	2 1 6 0 0 1 1 1 1 1 1	2 1 6 0 0 0 1 1 1 1 1 1	1 2 7 0 0 0 1 1 1 0	1 2 7 0 0 1 1 2 1 1	3 1 3 2 1 1 2 2 2 1
21 22 23 24 25 26 27 28	10002200	1 0 0 0 2 3 0	1 0 0 0 2 5 0	0000	1 0 0 0 2 3 0	1 0 0 0 1 1 0 0	0 0 0 0 2 2 0 0	000000000000000000000000000000000000000	1 2 0 0 4 2 0		1 1 4 3 0	5 7 1 1 3 5 0 3	7 6 3 1 3 5 1	7 7 3 1 3 3 1 3	3 8 3 1 3 3	1 8 2 1 3 2 1 2	1 7 1 4 0 1 3	0 3 0 3 0 1 3	0 2 0 0 1 0 1 1	0 2 0 0 3 0 1 1	0 1 0 0 5 0 1 1	0 0 0 2 0 1 1	0 1 0 0 0 0	0 1 0 1 2 0 0 0	2 3 1 0 3 2 0
MEAN	1	1	1	1	1	1	1	1	1	2	2	3	4	3	3	3	3	2	1	1	1	1	1	1	1.6

PERCENTAGE OF DATA VALID - 99.4

PERCENTAGE OF DATA INVALID - 0.6

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. " " INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

	STA	TION	- SW	NO	12015		SEWAGE	PLT	HWY	18/PRQ	SPECT	WI	NDSOR			MON	TH -	MAR	77						
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 M	AN
1 2 3 4 5 6 7 8 9	0 8 0 1 1 3 1 1	0 1 0 1 3 1 0 1	0 1 0 1 0 1 0	0 1 0 0 1 3 1 0	200001442010	1 0 0 0 1 3 2 0 1 0	1 1 0 1 1 1 2 0 1 0	1 1 0 1 1 1 2 0 2 0	1 2 1 1 1 2 1 3 1	2 3 4 1 1 1 2 3 4 4	2 4 4 1 1 1 3 3 3 4	3 5 4 1 2 1 4 4 3 4	3 5 1 2 1 5 3 2	2 3 1 2 2 4 3	4321223424	3 2 1 2 2 2 5 2 4	4 3 2 1 2 2 2 **** 8 2 6	4 2 2 1 2 2 2 2 6 2 3	3 1 2 1 2 1 2 3 2 2	4 1 2 1 3 1 3 2 2 2	6 1 1 4 1 4 2 2 1	5 1 1 2 1 4 2 1	5 1 1 2 1 5 2 1	7 1 1 3 1 2 1 1 0	3 2 1 1 2 2 3 2 2 2 2
11 12 13 14 15 16 17 18 19	0 2 1 0 0 0 0 0 0 0	011002000	0 1 1 0 0 1 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 1 0 0 0 0 0 0	0 0 0 0 0 0	010000000	1 1 0 0 0 3 2 0 0 0	6 1 0 0 0 4 1 0	7 1 0 0 0 5 1 0 1 0	5 1 0 1 5 2 0 3 0	8 1 0 2 5 4 0 2	1 1 2 4 2 0 2	1 1 2 3 4 2 0 3	7 1 0 1 3 3 **** 0 4 3	5 1 0 0 3 2 1 0 4 2	3 1 0 0 3 3 1 0 4 2	3 1 0 0 2 1 0 0 3 2	3 1 0 0 2 1 0 0 2 2	2 1 0 0 2 1 0 0 1 3	2 1 0 0 2 1 0 0 1 2	2 1 0 0 1 0 0 0 2	0 0 0 0 0 0	31000121011
21 22 23 24 25 26 27 28 29	0 0 2 1 0 0 0 2 1 0	0 0 4 1 0 0 0 2 1 0	0 6 2 0 0 0 2 1	0 4 1 0 0 0 2 1	0 0 7 1 0 0 0 2 1 0	0 0 1 1 0 0 0 0 2 0 0	0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 1 4 1 1 2 2 2 0	0 0 1 3 2 1 4 2 4 0	1 2 3 0 4 2	2 0 2 3 3 1 4 2 3 3	1 1 3 2 1 3 2 3 2	2212213222	2 1 2 2 4 1 3 2 2 2 2	2 1 2 2 4 2 3 2 2 4	1 1 2 3 2 4 2 2 5	1 2 2 4 2 4 2 4 2 3 5	1 1 2 2 4 1 3 2 3 6	0 1 2 3 1 2 2 2 5	0 1 1 1 1 2 2 2 6	0 1 1 0 1 2 2 2 5	0 1 1 1 0 0 2 2 1 2	1 0 0 2 2 0 1	0 2 1 1 0 0 2 2 0 2	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
31 MEAN	1	1	1	0	1	1	0	0	0	2	2	1	2	3	1 2	1 2	1 3	1	1 2	1 2	1 2	1	1	0	1.4

PERCENTAGE OF DATA VALID - 98.8 PERCENTAGE OF DATA INVALID - 1.2

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. ****** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. ... INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	PO	LLUTA	NT -	SULP	HUR DI	OXIDE							1	UNITS	- 0.	01 PA	RTS/N	ILLIO	N						
	ST	ATION	· s	NO.	12015	i :	SEWAG	E PLT	HWY	18/PR	OSPECT	wı	NDSOR			MON	тн •	APR	77						
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1 2 3 4 5 6 7 8	0 0 2 0 0 1 0 0	0 0 0 0 0 0	0 0 0 0 0 1 0	000000000000000000000000000000000000000		000000000000000000000000000000000000000	000000000000000000000000000000000000000	0 0 1 0 0 1 3	0 0 1 0 1 1 2 1	0 1 0 1 1	0 0 1 0 1 2	0 0 1 0 0 2 0 1	1 0 1 0 2 2 0 1	2 1 1 0 1 2 1	4 1 2 0 1 2 3	2 2 2 0 	2 2 2 2 2 2 2	1 2 2 0 2 2 3	1 2 2 0 1 1 3	0 2 1 0 1 1 2 1	0 2 1 0 2 1 1 0	0 5 0 0 2 2	0 5 0 1 3 0	0 3 0 0 2 2 0	1 1 0 1 1 2
9 10	0	0	0	3	5	10	3	5	3	4	3	2 7	7	2 6	3	6	6	6	7	1	1 9	1 7	0	0	3
11 12 13	6 5 1	4	4	3 3 0	3 0	2 3 0	3 0	5 3 1	5 4 2	5 5 1	5 5 1	6	5 6 4	3	···· 7	7 5 5	9 5 4	12 5 3	4 2	9 4 2	8 3 0	8 2 0	7 2 0 0	6 2 0	6 4 2
14 15 16 17	0 3 1 0	0 8 1	0 3 1	0 2 0	0 1 0	0 1 0	0	0 4 2	0 3 2	16 0	3 6 0	0	1 0 3	2 1 6	1 2 7	3 2 1	3 0 2	5 3 0	6 5 0	8	16 3 0	5 4 0	4 0	0 2 0	3 4 0
1 B 1 9 20	0	••••• 1	••••		0			****	3 1 0	4 7 0	4 8 1	4 8 2	3 7 2	4 4 2	4 3	4 4	3 4 4	3 4 3	3 2 2	2 2	1 1	1	1	1	3
21 22 23	0	0	0	0	0	0	0	0	0	1 0	3	4	3	0	::::	1	****		!	••••		0	••••		!
24 25 26	0	0	0	0	0	0	0	0	0	0 0 3	1 0	1 0 5	1 0	0 2 0 6	0 2 0 6	2	1								0
27 28 29	5	5	5	5	3	3	3	4 3	5	4	5 4	7 3	7	5	7	7	7	7	6 7 0	7	7	7	7	9	6 3
30 MEAN		••••			••••					••••	2	••••	••••	0	0	0	0	3	0	0	••••		2	2	2.0
MEAN	1	1	- 1			- 1	- 1	- 1	2	2	2	2	2	3	3	3	3	3	3	2	3	2	2	2	2.0

PERCENTAGE OF DATA VALID - 85.8

PERCENTAGE OF DATA INVALID - 14.2

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNITS - 0.01 PARTS/MILLION

	0.50		. 007		0.00000000				The Law Portion									our Char								
	ST	ATION	1 - SI	NO.	12015		SEWAG	E PLT	HWY	18/PR	OSPEC.	WI	NDSOR	t		MON	тн -	MAY	77							
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
î				• • • •					0	0	0	0	0	0	0	1	1	1	0	0					*****	
2		****					****	****	ŏ	ŏ	ō	o	2	3	4	4	4	4	3	3	3	2	2	3	2	į
3	3	3	2	3	2	2	2	2	2	2	2	2	2	2	2	2	2	3	2	2	1	1	0	0	2	
4	0	0	0	****	****		****	****	• • • •	0	О	0			5.0		-		-			-		-	*****	
5	-	-	-		-	-	-	-	- 1	****	****	****	****	****	2	2	3	3	3	3	2	2	2	2	******	
6	2	3	3	3	2	!	1	2	4	2	0	3	3	2	1	4	3	2	2	****				****	2	
7 8		****					ő	2	5	7	4	2	2	2	0	9	2	2	2	0		0	0	0	2	
9	0	0	0	0	0	0	ő	î	1	1	1	- 7	1	- 7	i	1	- 7	ī	i i	ĭ	0	1	ő	ő	ī	
10	o	ő	ō			1	3	4	3	2	2	2	2	2	2	3	3	3	3	4	2	2	1	ī	2	
1.1	1	1	0		0		3	5	6	4	4	3	3	3	3	4	4	4	4	4	3	2	2	6	3	į
12	5	4	5	6	3	4	17	16	12	6	****	3	. 3	****	****	••••	****	****	****	****	****	••••	3	****	*****	
13	8	10	6		****	3	4 2	4	3	2	2	2	2	2	2	4	5 5	7 5	6	4	3	6	3	2		
14	2	2			ò	ò		1	1	1	1	1	î	- 1	- 7	2	3	3	3	3	2	1	1	1		
16	ő	ō						2	3	6	7	7	5	5	5	5	6	8	6		4	4	3	3		į
17	2	2				2	2	3	4	4	4		2	3	3	5	5	6	4	3	3	3	2	1	3	,
18	1	1	1	1		0		2	2	2	2	2	4	4		1	4	3	2		1	1	1	1		
19	1	0						1	1	2	2	4	****	3			4	4	4		2	2	2	1		
20	1	0	0	0	0	0	0	0	1		3	5	5	30	7		5	5	5	5	4	4	3	3	4	ķ:
21	3	3					2	2	3	6	7	10	5	4	-		5	6	5		4	4	4	4		1
22	3	3				2		2	3	5	6	7	4	4	4			3	3			3	3	3		3
23	3	2				1	1	2	2	2	3	3	4 5	5	10		3		3			3		2	3	
24	2	2					0	0	3		****	4	4	4	5		5	1 5	4		0	0	1	0		
25 26	ő	0				. 2		3	3	3	2	2	- 7	1	****				4		2	6	15	7	2	4
27	5	3						2	2	1	1	1	1	1	2	4	4		5	4		3			2	2
28	2	2				2	2	6	8	15		9	8	7					5 8	7		7	6	5	•	3
29	4	4	4	4	3			4	4	4	4	4	4	4	4				3			2				3
30	1	1	1	1	1	1	0	1	****	2	1	1	2	2	2	3	3	4	4	6	5	6	7	8	3	3
31	4	2	1	1	0	1	1	3	3	2	2	2	4	4	4	3	4	5	4	3	3	3	2	3	3	3
MEAN	2	2	. 2	1	1	. 1	2	3	3	3	3	3	3	4	3	3	4	4	3	3	3	3	3	2	2.7	7
DEDCE	NTAGE	05.0	ATA 1	/A) ID	- 86	6		PERCE	NTAG	F OF	DATA I	NVAL	ID -	10.5		р	ERCEN	TAGE	OF DA	TA UN	AVAIL	ABLE	- 3.	0		

PERCENTAGE OF DATA VALID - 86.6

PERCENTAGE OF DATA INVALID - 10.5

NOTES 1. "**** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

POLLUTANT - SULPHUR DIOXIDE UNITS - 0.01 PARTS/MILLION SEWAGE PLT HWY 18/PROSPECT WINDSOR STATION - SW NO 12015 MONTH - JUN 77 HOUR 12 13 14 15 16 17 18 20 21 22 23 24 MEAN 19 1 2 3 4 5 6 7 8 9 DATA INVALID -DATA INVALID -DATA INVALID -DATA INVALID -DATA INVALID -2 2 2 4 1 2 2 0 1 2 11 12 13 14 15 16 17 18 19 20 0 00000 000 0 0 02325+ 02335 0 1 3 2 0 0034 0 0 5633 5 6 4 2 5 6 5 2 5 5 4 2 4 3 6 6 2 3 2 2 3 6 5 5 21 22 23 24 25 26 27 28 29 30 2202222 2 2 0 2 4 0 1 23022 1 2 0 0 1 30330 1 4 0 4 2 404 0 0 0 0 0 0 0 0 0 0 0 MEAN 2 2 2 2 2 2 2 2 3 3 3 3 2 2 2.0

PERCENTAGE OF DATA VALID - 74.0

PERCENTAGE OF DATA INVALID - 25.7

PERCENTAGE OF DATA UNAVAILABLE - 0.3

- 2. *- * INDICATES DATA IS UNAVAILABLE
- 3. "***** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - SULPHUR DIOXIDE UNITS - 0.01 PARTS/MILLION

			(5.3	306,11	011	211122																				
	ST	ATION	- SW	NO	12015		SEWAG	E PLT	HWY	18/PR	OSPEC	T WI	NDSOR			MON	TH -	JUL	77							
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	1	i	2	3	1	1	1	1	1	1	2	1	1	1	1	2	2	• • • •	3	3	3	4	4	1		2
2	0	0	0	0	0	1	1	2	2	3	2	1	1	1	2		1	1	2	2	3	2		3		1
3	0	0	0	0	0	0	0	0	1	1	1	2	3	2	2		2	2	2	2	2	3	3	4		3
4	3	2	2	3	3	3	3	3	****	2	2	3	2	3	3		3	3	4	4				3		3
5	3	3	3	4	5 2	5	3	2	2	2	2	2	2	2	****	2	2	3	3	4	6	4	3	3		2
6	2	2	2	1	2	0	0	1	2	2	2	1	1	2	2		1	1	1	3	3	3	3	3		-
7	- î	0	0	0	0	0	0	0	1	1	1	1	2	3	1		2	1	1	1	0	0	1	- 1		. 2
8	1	2	1	1	1	1	0	0	0	1	****		****	****	****	****	****	****	****	****	0	0	0	1		0
9	1	- 1	2	3	2	- 1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0
10	o	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		O
11	0	0	0	0	0	0	0	0		0	0	1	+	1	2	2	2		2	2	2	2	2	2		1
12	2	2		2	2	2	2	2	2	1	2	- 1	2	1	2		2		3		1	1	1	1		2
13	- î	1	3	1	1	10	2	1	1	1	1	2	1	2	1		1	1	1	0	0	0	0	0		1
14	o	o		Ó	o	0	0	1	1	1	2	2	2	2	2	3	2		2	1	1	1	2	2		-0
15	2	2		2	2	2	2	2	2		2	2	1	1	1	1	1	3	2	2	1	0	0	0		2
16	ō	ō		- 1	3	2	1	2	1	0	0	0	0	1	1	1	0	1	3	0	0	0	0	0		1
17	ő	0	- 1	ò	o	o	- ŝ	- 1	0	0	2	3	2	1	1	1	1	0	2	1	0	0	0	0		1
18	ő	Ô	0	ō	0	0	0	0	0	1	1	2	3	3	****		****	****	****	****	****	****	****	****	****	
19				-	-				-					INVA	LID -			-						4		
20	****	****	****	****	****		****	****	****	****	****	0	0	1	1	2	2	2	2		1	- 1	2	4		
21	4	6	6	5	4	2	2	1	1	1	1	1	2	2	2		- 1				1	0	0	0		2
22	0	0	0	0	0	0	0	0	0	- 1	1	1	1	1			3	3		2	2	3	- 1	- 1		2
23	1	1	1	0	0	0	0	1	1	1	2	3	3	3				4			1	1	1	2		2
24	1	1	1	1	1	1	1.	2	2	2	1	2	3	3	2	2	3	2		2	2	2	2	- 2	5211	
25	2	2			****		****	****	****	****	****	****	****	****	1	1	2		2			2	3	ò		
26	4	5	3	2	2	2	1	1	2	1	1	0	0		1				****	0	0	0	0	0		a
27	0	0		0	0	0	0	0	0	0		0	0						1	1	0	0		1		1
28	0		0	0	0	0	0	0	0	- 1	2	2	2						1			1	1			1
29	1	0	0	0	0	0	0	0	****	1	2	2	2							1	0	0	0	0		1
30	0			- 1	0	0	0	0	0	1	1	1	3	3	2	2	2	2	1	0	0	0	0	U		1
31	0	0	0	0	0	0	0	0	1	2	2	2	1	2	2	2	3	3	4	2	3	2	3	3		2
MEAN	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	1	1	1	1	1	. 3

PERCENTAGE OF DATA VALID - 90.1 PERCENTAGE OF DATA INVALID - 9.9 PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEJS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	PO	LLUTA	NT -	SULP	HUR DI	OXIDE	î.							UNITS	- 0.	01 PA	RTS/N	ILLIC	N							
	ST	ATION	- SV	NO.	12015	Ē	SEWAGE	PLT	HWY	18/PR	OSPEC	T W	NDSOR	8		MOM	TH -	AUG	77							
HOUR	i	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1 2 3 4 5 6 7 8 9	2 0 1 0 1 0 0 0 2 -	0 0 1 0 0 0 1	0 0 0 0 0 0 1 -	0 0 0 0 0 0 0 1 -	0	0000000	000000000000000000000000000000000000000	1 1 0 0 0 0 0 0 0		1 1 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 1 8 3 1 0 0	1 **** 9 2 1 0 0 0 1 0 2	1 2 0 1	1	1 4 2 5 3 1 2 2	1 4 3 3 2 0 2 3	1 3 2 1 1 0 2 3	1 2 2 1 1 0 2 2 - 2	1 2 1 1 1 0 0 2 - 1	1 0 1 0 0 2 - 1	1 0 0 2 0 0 2 1	1 0 0 0 1 0 0 2 - 1	0 0 0 0 0 0 0 0 2 1	1	::::	• •
11 12 13 14 15 16 17 18 19 20	3 0 1 2 1 0 3	1 1 0 0 2	1 0 1 1 0 0 2	2011111112	0 0 2 0 0	3 0 1 0 0	0 0 1 0 0 0	2 0 0 2 1 0	3 1 0 2 1 1	0	4 2 0 2 1 2		0 2	INVAL	ID -	1	1 3 1 3 2 2	1 2 1 2 2 2 2	1 2 1 2 2 4	1 2 1 2 1 4	1 1 1 3	0 1 2 1 3	0 1 1 1 4	0 2 2 1 1 4 4		1 1 2 1 2
21 22 23 24 25 26 27 28 29 30													DATA DATA DATA DATA DATA DATA DATA DATA	I NVAL I NVAL I NVAL I NVAL I NVAL I NVAL	1D - 1D - 1D - 1D - 1D - 1D -											
31	****	****	****	****	****	****		***		****	****		1	1	1	1	1	1	1	1	1	1	1	1	****	••
MEAN	1	4	0	. 1	0	0	0	1	1	1	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	. 1

PERCENTAGE OF DATA VALID - 51.2 PERCENTAGE OF DATA INVALID - 46.4 PERCENTAGE OF DATA UNAVAILABLE - 2.4

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - SULPHUR DIOXIDE UNITS - 0.01 PARTS/MILLION

				JULF		04.00	•0							54113		.01 -	. N 13/1	WILLIA	IN.						
	51	ATION	· Sw	NO	12015	i.	SEWAGE	PLT	HWY	18/PR	OSPECT	w)	NDSOF	R		MON	(TH -	SEP	77					F	
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1 2 3 4 5 6 7 8	o	0	0	0	0	0	0	0	1	1	1		DATA DATA DATA DATA DATA DATA DATA DATA	INVALII INVALII INVALII INVALII INVALII INVALII INVALII	0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 -	••••	••••	••••	••••	****	••••	****	••••	••••	*****
10 11 12 13 14 15 16 17 18													DATA DATA DATA DATA DATA DATA DATA DATA	I NYALII	0 - 0										
20 21 22 23 24 25 26 27 28 29 30		••••	••••	••••				•••		••••			DATA DATA DATA DATA DATA DATA DATA	INVALI INVALI INVALI INVALI INVALI INVALI INVALI INVALI INVALI INVALI	0	1	1	. 1	,	,	1	2	2	2	•••••
MEAN	0	0	0	0	0	D	0	0	1	1	1	1	1	2	1	1	1	1	1	1	1	2	2	2	0.8

PERCENTAGE OF DATA VALID - 3.3 PERCENTAGE OF DATA INVALID - 96.7

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. ****** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. *- INDICATES DATA IS UNAVAILABLE
- 3. " ---- INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POI	LLUTA	vT -	SULPH	UR DI	OXIDE								UNITS	- 0	.01 P	ARTS	MILLIC	N						
	STA	ATION	- SW	NO	12015	i	SEWAGE	PLT	HWY	18/PR	OSPEC	T W	INDSOR	2		MO	NTH -	OCT	77						
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1 2 3 4 5 6 7 8 9	2	2	2	2	2	3	3	3	3	2	3		DATA DATA DATA DATA DATA DATA DATA DATA	I NVALINVALINVALINVALINVALINVALINVALINVALI	. ID		****	••••	****	****	****	••••	***	****	******
11 12 13 14 15 16 17 18 19	1 1 0 5 0	1 1 0 3 0	1 1 1 2 0	1 0 0 2 0	1 0 0 2 0	1 0 0 2 0	1 0 0 1 0	1 0 1 1 1	1 0 5 2 1 0	2 1 5 2 1	2 1 4 2 1 2		0 3 1	INVAL	ID -	3 1		2 2 1 1 1 1 2 2 3 2 1 1 2 1	1 2 2 1 0	2	2 0 2 3 0 1 0	1 0 4 3 1 1	3 4 0 1 0	1 0 2 8 0 1	2 2 1
21 22 23 24 25 26 27 28 29 30	000001200	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	000000000000000000000000000000000000000	0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0200002200	0 0 1 0 2 2 0 0	0 0 0 0 0 0 0 0 0	0100002100	1 0 0 1 0 0 2 1 0 0	0	3 1 0 5 1 0 1 3 0 0	6	1 0 5 5 1 2 2 3	1 0 4	4 1 0 6 1 2 2 6 1 1			5 3 1 1 0 0 3 2 1 0 2 1 2 2 3 2 1 0 1 1	0 2 0 1 1 1 0 1	1 0 2 1 0	2 1 0 1 0 0 1	2001012000	10000001000	1000012000	2 1 1 2 2 0 0
31 MEAN	1	1	1	1	1	1	1	1	1	1	2	:		2	2		2	2 1	1	1	1	1	1	1	1.1

PERCENTAGE OF DATA YALID - 57.3 PERCENTAGE OF DATA INVALID - 42.7 PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. .- INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNITS - 0.01 PARTS/MILLION

	STAT	10N -	SW	NO 1	2015	S	EWAGE	PLT	HWY	1B/PRC	SPECT	WIN	DSOR			MONT	H - N	OV	77						
HOUR	1	2	3	4	5	6	7	8	9	10	1.1	12	13	14	15	16	17	18	19	20	21	22	23	24 M	EAN
1 2 3 4 5 6 7 8 9	0 0 0 2 1 0 0 0 0 0	0 0 1 2 0 0 0	0 0 0 1 1 0 0 0 0	0 0 0 0 0 0 0	0 0 0 1 1 0 0 0 0 0	0 0 0 1 1 0 0 0 0	0 0 0 1 1 0 0 0 0 0	0 0 0 1 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0	0 0 0 1 0 0 0 0 0	0 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 1 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 1 2 0 0 0 0 1 0	0 2 2 1 0 1 0 - 1 0	0 1 1 0 0 1 0 0	0 1 2 0 1 1 0 0 1 0	0 1 2 0 0 1 0 0 1 0	0 1 0 0 0 0 0	0 0 1 0 0 0 0	0 0 1 0 0 0 0 0	0 0 1 0 0 0 0 0	0 0 1 0 0 0 0 0	0 0 0 0 0 1 0 0	0 0 0 0 0 0 0 0 0	1 1 0 0 0 0
11 12 13 14 15 16 17 18 19	1 0 1 1 0 1 2 1 3 1	1 0 1 1 0 1 1 1 5 0	1 0 1 1 0 1 1 2 4 0	1 0 1 1 0 1 1 3 2	1 0 1 1 0 1 1 2 2 0	1 0 1 1 0 1 1 4 1	1 0 1 1 0 1 1 3 3 0	1 0 1 1 0 1 1 4 4	1 0 1 1 0 1 1 4 6	1 0 2 1 1 1 1 4 4	1 0 1 2 1 2 4 4 4 1	1 0 2 2 1 1 2 5 3	0022013530	0 0 2 1 1 1 4 5 2 0	0 1 3 2 3 2 3 6 2	1 1 2 2 3 3 3	1 1 2 2 2 2 3 6 2 0	0 1 2 2 2 2 2 6 1 0	0 1 2 2 2 1 1 5 1 0	0 1 2 2 2 1 1 6 0 0	0 2 1 1 2 2 1 5 1 0	0 2 1 0 1 3 2 4 0 0	0 1 0 1 4 2 4 0	0 1 1 0 1 3 1 3 0	1 1 1 1 2 2 4 2 0
21 22 23 24 25 26 27 28 29 30	0 0 0 3 1 0 2 0 0 0	000300000	0 0 0 3 0 0 1 0 0 0	1 0 0 2 0 0 1 0 0 0	0 0 0 2 0 0 2 1 0 0	4 0 0 2 0 0 1 1 0	2003001100	1 0 0 2 0 0 1 1 0 0	0 0 0 1 0 0 0 0 0	1 0 0 1 0 1 1 1 1 0	1 0 0 0 0 1 1 1 1 2 0	0 0 1 1 0 2 0	1 0 0 3 0 1 0 1 2 0	1 0 0 3 0 1 1 1 2	0 0 0 2 0 1 0 1 2 0	1 1 0 2 0 1 0 2 2 0	2 1 0 3 0 1 0 1 1 0 0	0 2 0 3 0 2 0 1 1 0	1 3 0 2 1 2 0 1 0 0	1 1 0 2 1 1 0 0	1 0 0 1 1 0 0 0	0 0 1 1 0 2 0 1 0 0	0 0 1 1 0 2 0 1 0 0	1 0 1 1 0 2 0 1 0	0 0 0 1 1 1 1 0 0
MEAN	1	1	1.	1	-1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.8

PERCENTAGE OF DATA VALID - 98.5 PERCENTAGE OF DATA INVALID - 0.4

PERCENTAGE OF DATA UNAVAILABLE - 1.1

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	PO	LLUTANT	- 5	ULPH	HUR D	OXID	E							JNITS	. 0.	01 PA	RTS/N	ILLIO	N						
	ST	ATION -	SW	NO	1201	5	SEWAGE	PLT	HWY	18/PR	OSPECT	WIN	SOR			MON	TH -	DEC	77						
DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 M	EAN
1 2 3 4 5	3 2 1 1	2 2 1	0 2 2 4 1	0 2 1 4 1	0 2 2 3 1	0 2 1 2 1 0	0 4 1 1 1 1 1	0 4 1 1 1 1	0 5 1 2	0 3 1 2	0 2 1 3 0	3 1 3 0 2	0 3 1 4 0	0 5 1 3 0	0 3 2 2 0	0 4 2 1 0	3 1 2 0	2 1 1 0	0 2 2 1	0 2 4 1	1 2 2 1	1 2 6 1	1 3 3 1	1 4 2 1 0	0 3 2 2 0
7 8 9 10	2 1 0 7	1 1 8	0 1 3 2	1 1 3	1 1 2	1 2 4	1 1 3 5	2 2 3	1 1 2	1 2 1 1	1 2 4 2	2 2 5 3	3 2 5 2	3 2 5 2	1 6 3	3 0 4 2	0 2 2	0 2 2	1 0 1	0 0 2	0 2	1 0 3 1	1 0 3 1	2 1 0 2 1	1 1 3 3
11 12 13 14 15 16 17 18 19 20	1 2 1 0 1 0 1 3 1 0	1 0 1 0 1 3 1 0	1 0 1 0 1 3 1 0	1 0 1 0 1 3 1 0	1 0 1 0 1 4 1 0 0	3 1 0 1 0 1 4 1	3 3 0 0 1 1 3 1 1	3 0 0 0 0 0 3 1 1	2 4 0 0 1 0 1 3 1 0	5 0 0 1 0 1 3 1 0	9 4 0 0 0 0 2 1 1 0	9 3 0 0 0 1 2 1	5 3 0 0 1 2 2 1 1 0	2 3 1 0 1 4 3 1 1	1 3 1 0 2 4 2 1 1	1 2 1 0 0	1 2 1 0 1 2 2 1 1 0	2 2 0 0 1 2 3 1 0 0	2 0 0 1 1 3 1 0 0	3 1 0 0 1 1 3 1 0 0	2 1 0 1 1 0 3 1 1 0	2 1 0 1 1 0 3 1 1	2 1 0 1 1 1 3 1 1 0	2 1 0 1 1 1 3 1 1 0	3 2 0 0 1 1 2 2 1 0
21 22 23 24 25 26 27 28 29 30	2 1 2 3 4 2	0 1 3 1 2 2 3 2 .	0 3 2 1 3 2 2 2 2	1 2 2 1 4 2 2 2	1 1 2 1 5 2 3 2	3 3 2 2	0 0 2 1 4 2 4 2	0 0 2 1 4 2 5 2	0 0 1 1 3 2 6 2	0 0 1 4 2 4	0 0 1 1 3 2 4 -	0 1 1 2 2 2 2 3 - DATA	1 1 1 3 3 3 3	0 1 1 3 3 3 3 3 4 4 4 4 4 4 4 4 4 4 4 4 4	0 1 1 3 3 3 3	0112423	1 3 2 4	0 1 1 5 3 3 3 - 1	0 1 1 6 3 3 - 1	0 1 1 5 3 2	0 1 1 5 3 2 - 1	0 1 1 5 3 2	0 1 1 2 6 3 3	0 1 1 1 3 4 2	0 1 1 4 3 3 3 3 3 4 4 4 4 4 4 4 4 4 4 4 4
31 MEAN	2	1	1	1	1	1	1 2	1	1	2	2	1 2	1 2	2	1 2	1	1	1	1	1	1	1	1 2	1	1.5

PERCENTAGE OF DATA VALID - 92.1 PERCENTAGE OF DATA INVALID - 1.3 PERCENTAGE OF DATA UNAVAILABLE - 6.6

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ******* INDICATES LE_5 THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1977

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

POLEGIANI - 30				
STATION . SW	NO 12015 SEWAGE PLT H	WY 18/PROSPECT WINDSON	R	
MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	1.7	3	10
FEB	28	1.8	5	9
MAR	31	1.4	3	8
APR	25	2.0	6	16
MAY	26	2.7	6	30
JUN	20	2.0	5	Ī1
	26	1.3	3	10
JUL	14	1.1	2	9
AUG		0.8	****	2
SEP	0		2	8
ост	17	1.1		6
NOV	30	0.8	4	9
DEC	28	1.5	4	30
YEAR	276	1.6	6	30

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1977

POLLUTANT -	SULPHUR D	OXIDE					·	INITS - C	0.01 PARTS/	MILLION			
STATION -	SW NO 120	15	SEWA	GE PLT	HWY 18	PROSPECT	WINDSOF	1					
MONTH	00 TO 04	05 TO	10	11 TO 1	4 15	TO 25 26	TO 39	40 ADVER	TOTAL				
JAN	708		27		0	0	0	0	735				
FEB	607		61		0	0	0	0	668				
MAR	705		30		0	0	0	0	735				
APR	525		90		1	2	0	0	618				
MAY	548		89		2	4	1	0	644				
JUN	489		43		1	0	0	0	533				
JUL	661		9		0	0	0	0	670				
AUG	373		8		0	o	٥	0	381				
SEP	24		o		0	o	0	C	24				
OCT	412		14		0	0	0	c	426				
NOV	697		12		0	0	0	c	709				
DEC	661		24		0	0	0		685				
YEAR	6410		407		4	6	1		6828				
FREQUENCY	DISTRIBUT PERCENT	ION BY	PERC	ENTILES		ENFOLIEN	CONCENT Y DISTRI	RATIONS	DEDCENT				ARITH
	OF DATA	MIN		10	30	50	70	90	95	98	99	MAX	MEAN
	77.9	0		0.0	0.0	0.7	1.6	3,3	4.4	5.9	6.8	30	1.6

UNITS - O O1 PARTS/MILLION

	PC	LLUTA	ANT -	SULP	IUR DI	OXIDE								UNITS	- 0.	01 PA	RTS/M	ILLION	4						
	51	ATIO	v - sv	NO.	12016	i	COLLE	GE/SO	UTH S	TREET	WIN	DSOR				MON	тн	MAL	77						
HOUR	1	2	3	4	5	6	7	В	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1 2 3 4 5 6 7 8 9	5 0 2 3 1 0 3 0 0 2	3 1 3 1 0 4 0 0	0 0	3 1 2 3 1 0 5 0	2 2 1 0 4 0 0	2 0 2 2 0 1 0 0 2	2 0 3 3 1 0 2 0 0 2	2 0 1 3 1 0 1 1 0 1	0 0 1 5 2 0 0 1 1 0	0 0 1 4 3 0 0 3 0 0	0 2 1 3 2 2 0 3 0 3	0 1 2 2 2 0 1 1	0 1 1 2 3 2 0 2 0	0 1 2 3 2 3 0 3 0	0 1 1 2 2 4 0 3 0 0	0 1 1 2 0 3 0 2 0 0	0 1 1 1 1 2 1 4 0	0 2 2 0 0 1 0 3 0 1	0 2 2 0 0 1 0 5 0 5	0 3 2 0 0 1 3 3 1 3	1 2 2 0 0 2 0 3 1 3	1 1 2 0 0 1 0 0 0 0 0	1 3 0 0 2 0 1	1 2 3 0 0 2 0 2	1 1 2 2 1 1 1 2 0 1
11 12 13 14 15 16 17 18 19	0 3 1 6 9	1 3 2 2 7 3 4	3 3 4 3 3 2	0 3 **** 4 2 2 5 3 2	4 2 1 4 2 4 2 3 5	2 2 0 3 2 3 3 3 5	2 **** 0 3 3 5 3 2 2 2	0 3 3 5 3 2 1	3 0 4 5 2 3 2 1 9	0 4 4 4 3 1 6	4 5 4 5 1 5	3 4 2 6 4 5 3 6 1 7	2 2 1 9 4 2 4 3 2 9	2 2 1 5 3 4 4 3 3	4 1 1 2 3 2 2 7	2 2 3 1 2 3 2 1 4	5 3 1 3 1 2 2 3 1 4	2 1 1 4 1 1 3 - 2 2	0 1 2 5 1 1 5 - 2 2	2135013523	2 0 3 4 1 4 1 7 1 3	0 3 2 2 3 9 7 1 4	3 0 4 3 3 4 17 7	2 1 6 11 2	3 2 1 4 2 3 5 4 2
21 22 23 24 25 26 27 28 29 30	2 1 3 3 5 5 2	5 1 1 4 **** 5 5 4 **** 4	5 3 2 2 2 2	8 2 0 3 3 2 1 3 1 + + + + + 2 3	6 2 1 3 3 3 0 2 2 2 4 **** 3 4	6 1 1 3 4 1 3 3 3 *****	6 0 1 4 4 3 3 4 **** 5	6 1 2 4 4 4 5 4 8 **** 2 5	5 1 1 4 3 3 7 7 7 **** 3	7 1 2 4 3 1 **** 3 **** 4	4 3 5 3 3 3 7 4	4 2 4 4 4 4 4 4 5 5 5 5 5 4	2 3 6 5 **** 4 4 4 5	2 4 6 4 **** 2 3 3 3 3	2265113653	3 2 5 6 1 1 2 7 4 3	2 3 4 5 1 . 2 12 4 3 4	4 2 2 5 1 3 3 9 4 3	4 3 3 4 0 3 6 3 3 4 5	4 3 4 5 2 3 7 3 3 4 5	3 2 4 5 3 5 6 5 3 3 6	1 3 4 4 2 6 5 11 3 4	1 1 4 3 4 4 2 8 2 2 5	1 1 3 4 4 4 2 6 1 3	4 2 3 4 3 3 4 5
MEAN	2			2	2	2	2	3	3	2	3	3	3	3	2	2	3	2	2	3	3	3	3	3	2.6

PERCENTAGE OF DATA VALID - 92.7 PERCENTAGE OF DATA INVALID - 6.7 PERCENTAGE OF DATA UNAVAILABLE - 0.5

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. *-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	PO	LLUTANT		SULPH	HUR DI	OXIDE								UNITS	- 0.	01 PA	RTS/MI	LLIO	N						
	ST	ATION -	SW	NO	12016	į.	COLLE	GE/50	UTH S	TREET	WIN	NDSOR				MON	тн - ғ	EB	77						
HOUR	1	2	3	4	5	6	7	В	9	10	11	12	13	14	15	16	17	18	. 19	20	21	22	23	24	MEAN
1 2 3 4 5 6 7 8	5 5 5 6 1 ****	5 3 5 7 2 3	4 2 6 4 1 2 1 8	4 4 5 3 2 2 1 6	8 5 5 1 5 **** 2 1 7	6 4 7 2 5 ****	4 4 6 2 2 2 ****	6 6 4 1 **** 5	3 2 5 1 1 **** 6 1 6	2 1 7 3 2 ****	2 14 5 3 4 ****	3 19 5 2 3 ****	2 5 7 2 5 1 2 2	1 8 7 5 3 1 2 4	2 4 5 1 2 1 3 6	2 6 1 2 1 4 3	2 4 7 1 2 1 4 3 6	3 4 6 1 3 1 4 4	1 7 5 0 2 1 2 5	4 6 4 0 1 1 1 4	656214151	5 4 5 6 6	3 5 6 4 1 2 8	3 4 5 3 	4 5 6 3 2 *****
10 11 12 13 14 15 16 17	5 20 1 20 0 2	6 3 0 1 2 1 0 3	3 0 1 2 0 0 3	3 0 1 2 1 6 2	0 0 0 1 1 1 3 2	0 2 0 0 1 0 2 1 1	3 0 0 0 0 1 1	0 0 0 0 0 8 1	0 3 0 2 0 9 1	3 0 3 0 0 2 1 2	5030001	3 6 1 3 0 0 2	3 4 2 3 0 2 5	5 0 3 0 . 0	5 1 3 0	3 1 3 0 1 1 3	5 2 0 2 0 0 1 1	3 1 2 0 1 1 1 1	3 0 2 1 1	2 0 2 1 2 1 1	2 0 2 0 4 1 1	3 2 1 1 6 1	1 1 0 6 1 1	2 0 3 2 3 1	6 3 0 2 1 1 2 2
19	3	3	4	1	1	0 2	0	1	1 2	2	1	3 1 2	3 2 1	1	1 2	1	3 0 2	1 2	0	3 2 1	4	3 1 0	0	5 0 0	1
21 22 23 24 25 26 27 28	0 0 0 2 5 0 1	1 0 0 2 4 0 2	0 2 1 0 2 1 2	0 0 1 2 2	1 1 0 0 3 4 2 2	2 1 0 0 3 2 2 2	4 0 0 3 1 1	B O O O 2 2 2 3	50005213	3 0 0 4 4 1	3 5 0 4 3 1 3	5 0 0 5 4	4 6 2 0 3 3 3	8 7 1 5 4 3 5	7 5 2 1 4 3 4	4 5 2 0 5 2 2 2	1 4 2 0 5 2 3 3	1 2 2 1 4 1 4	1 1 2 1 6 1 4	1 1 2 0 8 0 2 3	1 1 0 7 0 3 2	0 1 1 1 4 0 2 1	0 1 2 2 3 1 1	0 0 2 7 0 1 2	2 2 1 0 4 2 2 3
MEAN	2	2	2	2	2	2	2	2	2	2	3	3	3	4	3	2	2	2	2	2	2	2	3	3	2.4

PERCENTAGE OF DATA VALID - 95.8 PERCENTAGE OF DATA INVALID - 3.3

PERCENTAGE OF DATA UNAVAILABLE - 0.9

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNITS - 0.01 PARTS/MILLION POLLUTANT - SULPHUR DIOXIDE MONTH - MAR 77 COLLEGE/SOUTH STREET WINDSOR STAT10N - SW NO 12016 21 22 23 24 MEAN 16 17 18 HOUR 2 3 4 5 6 7 8 9 1 2 3 3 2 12 13 14 15 16 17 18 19 20 1 2 Ó 4 2 3 2 5 0 1 3 2 0 2 2 2 0 2 2 3 3 5 0 4 22 23 24 25 26 27 28 29 30 n

2 2 2 2 2 2 2 2

PERCENTAGE OF DATA VALID - 97.0 PERCENTAGE OF DATA INVALID - 2.2

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

2 2

3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

1 1

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

POLLUTANT - SULPHUR DIOXIDE UNITS - 0.01 PARTS/MILLION STATION - SW NO 12016 COLLEGE/SOUTH STREET WINDSOR MONTH - APR 77 HOUR 24 MEAN 0 1 5 . 0 4 1 2 1 12 13 14 15 16 17 18 19 20 4 7 9 11 2 1 3 7 0 5 2 3 1 3 2 0 1 0 1 2 2 0 22 23 24 25 26 27 28 29 30 00. 0 1 0 MEAN 1.7

PERCENTAGE OF DATA VALID - 97.1

PERCENTAGE OF DATA INVALID - 1.5

PERCENTAGE OF DATA UNAVAILABLE - 1.4

PERCENTAGE OF DATA UNAVAILABLE - 0.8

1.7

- 2. .. INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNITS - D.O1 PARTS/MILLION

	ST	ATION	- SW	NO	12016	C	OLLEG	E/SOU	TH ST	TREET	WIND	SOR				MON	тн -	MAY	77						
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1 2 3	2 2 3	1 2	1 1 2	1 1 3	2 2 2	2 2 2	1 1	4	1 1	3 1 1	7		9	5 2	3 2		4 	3 1	1 1	1 1 0	0	1 0 1	0 2 1	1 3 1	3 1 1
4 5 6 7 8 9	1 1 0 0 1	0 1	2 0 3 0 8 2	0 3 0 2 1	0 2 0 1 1 0	0 2 0 2 1 0	1 0 1 0 9 0	1 1 2 0 9 1 0	0 12 1	1 1 1 4 0 0	1 0 3 0	0 1 0 1	1 1 2 1 1 0 0	1 1 2 1 2 0	1 2 2 1 1 0 1	1 1 0	1 2 0 1 1 0 1	2 0 2 1 1 1	2 1 2 0 0 0	0 1 0 2 0 0 0	1 0 0	1 1 0	0	0 1 0 0	1 1 1 3 0
11 12 13 14 15 16 17 18 19 20	0 2 5 1 1 1 1 1 1 1 1 1 0	0 1 5 2 3 0 1 1 4 4 1	0 3 2 1 2 0 2 1 2	2 2 1 1 0 2 1 0 0	1 1 3 0 0 0 2 0 0 1	0030002001	0 3 1 0 0 1 0 0 0 1	0 4 3 1 0 1 1 3 0 3	1 3 1 1 0 3 2 2 0 3	2300032223	0 3 1 0 0 8 3 2 5 2	1 0 3 0 0 9 2	1 2 3 0 6 1	20100424120	1021023226	1 1 2 0 2 4 0 1 2	1 2 1 2 0 3 4 0 2 1	2 1 0 1 0 4 5 0 2 0	1 2 0 1 0 4 3 0	1202122010	0 4 0 5 0 1 1	0 4 0 1 1 3 0 0 0 0	1 4 1 1 2 0 0 0	0 5 0 2	1 2 2 1 0 2 2 1 1 3
21 22 23 24 25 26 27 28 29 30	2 1 0 0 0 2 7 0 2 1	2 1 0 0 0 2 5 0 2 2	2 1 0 0 0 2 3 0 2 2	1 1 0 0 0 2 1 0 2 1	00000022022	0 0 0 0 0 1 1 0 2 2	1 0 0 0 0 0 2 1 0 2 1	1 0 0 0 0 3 1 1 2 2	2 1 0 1 0 1 2 6 2 1	3 4 0 1 1 3 2 2 1 3 2 2	7 7 1 2 2 2 1 11 2 1	15 10 1 1 2 2 1 3 2	2 2 1 0 2 2 1 3 2 2	1 1 3	0006	0 0 1 1 1 3 2 2 3 1 1	1 0 0 1 2 2 2 3 1 1	0 0 0 1 2 2 2 3 1 1	1 0 0 1 1 2 2 3 2 3	1 0 0 1 2 4 1 3 1 5	1 0 0 0 3 1 3 0	1 0 0 0 0 8 1 3 0	1 0 0 0 1 17 0 3 1	1 0 1 0 1 9 0 3 1 8	2 1 1 1 3 2 3 2 3
31 MEAN	5	3 2	2	1	1	1	0	1 2	2	1 2	3	2	3	4	3 2	1	1	2	1	1	1	0	0	1	1.5

PERCENTAGE OF DATA VALID - 96.6 PERCENTAGE OF DATA INVALID - 2.6

PERCENTAGE OF DATA UNAVAILABLE - 0.8

NOTES 1. ****** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. "***** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

POLLUTANT - SULPHUR DIOXIDE UNITS - 0.01 PARTS/MILLION STATION - SW NO 12016 COLLEGE/SOUTH STREET WINDSOR MONTH - JUN 77 HOUR 3 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 MEAN DAY 0 4 20231 0 0 0 0 ò 00001 ò o 0 0 2 1 2 0 0 0 1 0 0 0 0 0 1 2 11 12 13 14 15 16 17 18 19 0 0 0 0 0 0 0 1 8 6 2 1 3 1 7 2 0 1 10 2 0 2 0 2 0 2 0 0 0 0002 0 002 3 0 0 0 ò 0 21 22 23 24 25 26 27 28 29 30 002 0 0 0 0 0 o 0 2 0 0 0 0 1 . 1 1 1 MEAN 1 1 1 1.1

PERCENTAGE OF DATA VALID - 96.5

PERCENTAGE OF DATA INVALID - 2.2

PERCENTAGE OF DATA UNAVAILABLE - 1.3

- *- * INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNITS - 0.01 PARTS/MILLION

		LUIN				270																			
	STA	ATION -	SW	NO	12016	5	COLLE	GE/SO	UTH S1	TREET	W1N	DSOR				MONT	т - м	JUL	77						
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
DAY																									
					141		•	-	•	2		1	3	2	2	2	2	2	0	0	2	4	4	0	2
1	0	0	1	3	1	1	3	3 6 0	3	5	- 1	i	ŏ	1	1	2	1	1	1	0	0	0	0	0	1
2	0 3 0	0	1	0	0 0 3	0	5	6	2	3		2	ă	•	2	2	2	1	1	1	29		2	2	1
3	0	0	0	0	0	0	0	ū		3	••••	1		ò	ō	ō	ō	0	o	0		0	0		1
4	3	1	2	3	3		2	3	2	ò	0			1	1	ŏ	ō	ō	1	ō	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	ŏ	1			2	2	2	2			2	2	1	0	0	1
6	2	3	2	1	2	1	1	1		ŏ	ò	ò	0	ō	ō	ō	0 2	0	0	0	0	0	0	1	0
7	0	0	0				0			o		2	3	2	2	ž	2	2	2	ĩ	1	0	0	1	1
8	1	1	1	1	1	0	0	0	0	- 1	- 1	ő	1	í	- 1	- 7	7	7	ī	1	1	4	3	2	1
9	1	1	1	1	1	0	0	1	0	0	1	ŏ	ò	1	- :	- 1	4	ò	ò	ó	Ó	0	0	0	0
10	1	****	1	1	0	0	1	1	1	0	0	0	0	1	- 1							=	-		2.
		0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	2	1	1	1	1	
11	1	٠	1	1			ŏ	ĩ	1	1	0	1	1	2	3	2	2	2	2	2	2	3	2	3	
	1	1	4	3		2	3	4	4	4	3	- 1	- 1	0	0	0	1	1		2	0	0			- 1
13	2	ō	ō	0	3	2	3	ō	- 1	2	4	- 4	4	3	3	4	4	3	1	1	1	1	1	- 5	
14	0	Ÿ	2	2	2		1	ĭ	2	1	1	1	1	1	1	1	1	1	3	2	2	1	1		
15			1	1			ò	- 4	ō	1	0	0	0	1	2	2	1	2	2	1		0	0	0	
16	1	1		ò			×	ò	ŏ	ò	ō	1	2	1	- 1	2	2	1	1	1	0	0	0	0	1
17	0	0	0	Ö			ŏ		0	0	ō		2	2	1	0	0	0	0	0	0		0		0
18	0	0	0				ő		ŏ	0			0	0	0	0	1	1	1	1	0	0	0		
19	0	0	0	0			ő		ő	ŏ			2	1	0	2	2	2		2	1	1	2	1	1
20	0	0	0	0	U	U	U	٠	٠	_		_							1	1	1	0	0	0	1
21	1	1	2	1	1	1	1		1	1		1	2	1	1	1	1	0	310						
22	1	o	1	- 1	1	1	1		0	1		1	1	0	0	1		4	3		0	0	0	. ñ	1
23	0	1	1	0	0	0	0	1	0	2	3	1	2	2	2	4	5	3		- 1	ő		ŏ		. 1
24	ŏ	0	0	0	0	0	0	2	0 2 0 2		- 1	0	3	2	2	2	3					0	ŏ	ő	0
25	ŏ		0	0	0	0	0	0	0	0		0	0	0	••••	****	0	0		0					ō
26	0	0	0	0) 1	1	2	0	2	2			0	0	0	0		1		1					
27	ō	ĩ	0	ō				****	1	0		0	0	0	0	0	0	2	3	3		0 2 0	2	ĭ	
28	ŏ	i	1	ō		0	0	. 0	- 1	1	2			2	2		3		3				ō	ò	
29	2	1	1	1		1	1	1	1	1	3			1	2	2	1	2	1	0	Č		č		
30	ō	ò	Ó	0	, ,	0	0	0	0	C	0	0	1	1	3	2	1	2							
31	0	0	0	1			. 0	. 1	1	,	1	1		1	1	1		1	1	1	1	1	() 1	1
	٠											1			- 1	1	1	1	ï	1	1	1	1	1 1	0.9
MEAN	1	1	1	1	1 1		1 1	1	,				5												

PERCENTAGE OF DATA VALID - 94.9 PERCENTAGE OF DATA INVALID - 3.9

PERCENTAGE OF DATA UNAVAILABLE - 1.2

NOTES 1. ****** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. .- INDICATES DATA IS UNAVAILABLE
- 3. "***** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POLLUTANT - SULPHUR DIOXIDE													NITS	- 0.0)1 PAI	RTS/M	ILLIO	N						
	STAT	ION -	SW	NO 1	2016	,	COLLE	SE/SQU	TH S1	REET	WIND	SOR				MON	тн	AUG	77						
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	. 19	20	21	22	23	24 ME.	AN .
1 2 3 4 5 6 7 8	1 1 0 1 1 2 1 3	1 0 0 2 1 2 1 4 1	1 0 0 1 1 2 1 4	1 0 0 2 0 2 2 3 1	1 1 2 1 3 1	1 0 3 1 3 1	1 0 0 1 1 3 1 2 1	1 0 0 1 1 2 1 2 1 0	2 1 0	1 1 2 2 0 0	1 0 6 3 0 3 2 0 0 0	9 2 0 3 3 1 0 0	0 1 7 2 1 3 2 0	1 2 7 3 0 3 0 0	1 2 6 0 3 1 0	1214023000	223000	00220-3000	0 1 2 0 1 2 1 0	0 1 1 3 1 3 0 0 0	0 1 0 1 3 1 3 0	0 0 1 1 1 2 0 0 0	0 0 1 1 2 1 2 0 0 0	0011212000	1 2 2 1 2 2 1 0 0
10 11 12 13 14 15 16 17 18	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0000000000	0 1 0 0 0 0 0 1 0 0	0 0 0 1 0 0 0 1 0 0	0 0 1 0 0 1	0 0 1 1 0 0 1 0 0 0	0 1 0 0 1 1 0 0	0 0 1 1 0 1 0 1 0	2 2 0 1 0 1 0 3 1	2 3 1 0 1 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 0 0	1 1 0 1 0 0 0 1 3 1	0 2 1 1 1 1 1 2 1	1 3 0 1 0 0	1 2 0 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 1 0 1 0 1 1	0 2 1 1 0 0 1 1 0 3	1	0 0 0 0 0 1 1 0 3	0 0 1 0 0 2	0 1 0		0 0 0 0 0 0 1 2	000000000	0 1 1 0 0 1 1
21 22 23 24 25 26 27 28 29 30	2 1 0 1 0 0 2 0 2 0 2	2 1 0 1 0 1 1 0 2 0	2 2 1 1 0 1 1 0 1 0	3 0 1 2 0 1 1 1 2 0	4 0 2 0 0 1 1 1 2 0	5 0 4 0 0 1 0 0 1 0	0 1 0 1 1 1 1 1	6 0 1 0 0 2 2 0 2	4 0 1 0 10 2 1 1 2 0	3 0 2 2 2	1 0 7 3	1 0 1 1 1 1 1 1 0	1 1 0 1 6 1 1 0 0	0 1 2 0 0 4 1 0 0 1	0 0 1 0 0 3 1 1 1 3	0 0 0 0 0 1 4 0 1 0 0 3	0 0 1 3 0 1	00112200		0 1 0 0 0 2 1 3 0 1	0 0 1 0 2 0 2 1	1 1 0 0 1 1 0 2 2	1	1 1 0 1 0 1 1 2 0 1	2 0 1 0 1 3 1 1 1 1 1 1
31 MEAN	1	,	1	1	1	1	1	1	1	1		1	1	1	1	1	,		1	1	1	0		0	0.9

PERCENTAGE OF DATA VALID - 96.5

PERCENTAGE OF DATA INVALID - 3.4

PERCENTAGE OF DATA UNAVAILABLE - 0.1

- 2. .. INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEJS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNITS - 0.01 PARTS/MILLION

	POLL	UTANT	- S	ULPHU	R D10)	LIDE																			
	STAT	ION -	SW	NO 1	2016	C	OLLEG	E/SOU1	TH ST	REET	WIND	SOR				MON	TH - S	EP	77						
HOUR	1	2	3	4	5	6	7	8	9	10	1.1	12	13	14	15	16	17	18	19	20	21	22	23	24 ME	ΔN
1 2 3 4 5 6 7 8 9	0 0 1 1 1 0 0 0 7	0 0 1 0 1 0 0 0 0 9	0 0 1 0 1 1 0 0 1 9	0 0 0 0 1 0 0 0 1 5	0 0 1 0 0 0 1 2	0 0 1 0 0 0 2 3	0 0 1 0 0 0 2 8	0 0 1 0 0 1 2 7	0 1 1 0 1 0 0 4 3 3	0 1 1 1 0 0 1 5 2	0 1 1 2 1 1 0 1 5 1	0 0 0 2 1 1 0 1 5 1	0 1 0 3 1 0 0 1 1	0 1 0 4 1 0 0 1 2 1	0 1 1 2 1 0 0 1 2	1 1 3 1 **** 0 1 1	0 1 1 3 1 0 0 1 1 1 1	0 1 1 3 1 1 0 0 2	1 0 1 2 1 2 0 1 2 1	1 0 1 1 1 0 0 2 0	1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 1 0 0 0 0 6 0	1 1 0 0 0 0 5 0	0 1 1 0 0 0 0 5 0	0 1 1 1 0 0 1 2 3
11 12 13 14 15 16 17 18 19 20	1 1 0 0 0 0 1 1 1 2	0 0 0 0 1 1 1 1 3	0 0 1 1 0 0 1 1 1 3	0 0 1 1 0 0 1 1 1 3	0 0 0 1 0 0 1 1 1 2	0 1 0 0 1 1 1 1 1	0 1 0 1 0 0 1	1 0 0 1 1 0 1 1 2	1 0 0 1 0 0 1 1 1	1 0 0 0 0 1 0 1 1	1 0 0 1	1 1 0 0 1 1 2	1 1 0 1 2 1 2 1 2 1 2 1	0 1 0 0 1 2 2 1 1 3	0 1 0 0 1 1 1 2 1 1 1 1	1 9 1 0 1 2 1 2 0 1	1 9 0 - 1	1 2 1 1 1 1 1 1 1	1 0 0 0 1 1 1 1 1 1 2	1 0 0 0 1 1 1 0 2 1	1 0 0 0 1 0 0 2 0	1 0 0 1 1 1 1	0 0 1 0 1 1 1 1 1	1 0 0 0 0 0 1 0 1 1	1 1 0 0 1 1 1 1 1 1 2
21 22 23 24 25 26 27 28 29 30	0 1 1 1 0 0 4 2 1 0	1 1 0 1 0 5 0 0	2 1 0 0 0 4 0	1 1 0 0 0 3 0 1 1	2 0 1 0 1 0 4 0 0 1	1 0 0 0 0 3 1 1 1	000013022	1010012020	0 1 0 1 0 1 0	0 0 1 0 1 1 0 0 1	1 0 0 1 2 0 1 0 0	1 0 1 0 1 1 1 0 0 2	1 1 0 0 2 2 1 1 1 3	1 0 0 0 2 2 1 1 0 2	1 0 1 0 2 2 1 0 0 1	0 0 1 0 2 3 1 0 0 1	0 1 1 2 0 1 0 1	0 0 1 1 0 0 0 0	0 0 1 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 3 1 1 0 1	0 0 1 0 0 6 1 1 0 2	0000050100	0 0 0 6 2 1 1 0	1 0 1 0 1 2 2 1 0 1
MEAN	1	1	1	1	1	1.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.9

PERCENTAGE OF DATA VALID - 98.5 PERCENTAGE OF DATA INVALID - 0.8 PERCENTAGE OF DATA UNAVAILABLE - 0.7

NOTES 1. "****" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. *- INDICATES DATA IS UNAVAILABLE
- 3. ******* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POL	LUTANT	- 5	ULPH	HUR DI	OXID	E						l	NITS	- 0.0	1 PAF	RTS/M	ILLIC	N						
	STA	TION -	SW	NO	12016	5	COLLE	GE/SO	UTH S	TREET	WIN	DSOR				MONT	тн - с	ост	77						
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	. 19	20	21	22	23	24	MEAN
1 2 3 4 5 6 7 8 9	0 0 1 0 1 6 0 1 1 1 1	0 0 1 1 1 2 0 1 2	0 0 1 1 2 0 1 1	0 0 1 1 1 1 1 1 1 3	0 0 1 1 1 2 0 1 2 3	000222001	0 1 1 3 4 1 0 0	0 0 2 2 3 0 0 0 1 1	0 2 2 1 1 0 0 2 2	0 0 0 2 3 2 0 0 0 2	0 0 0 0 5 0 0 0 1 1	0 0 0 1 2 0 0 0 2 0	0 0 0 1 4 0 0 0 2 1	0 1 0 0 3 0 0 1 2 5	0 0 0 1 2 1 0 0 2 8	0000200016	0 0 0 0 0 2 8	0 1 2 0 1 0 2 4	0 0 2 2 1 1 0 0 1	0 0 2 2 4 0 0 1 2 0	0 0 1 2 3 0 0 2 3 0	0 0 1 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 1 1 1 0 0 2 1 1	0 0 0 1 1 0 1 0	0 0 1 1 2 1 0 1 1 2
11 12 13 14 15 16 17 18 19	1 0 0 0 0 0 0 5	2 1 0 0 0 1 0 2 0 0	1 2 0 1 0 1 2 1 0 1	1 2 0 1 0 0 2 2 0 0		3 2 0 0 1 1 1 3 1 1 1 1	3 0 1 1 2 0 1 2 0 1	2 1 1 0 1 0 1 2 0 1	5 2 1 1 1 0 1 3 0 1	4 2 0 3 3 0 1 2 0	1 1 0 5 2 0 3 0 0 2	2 1 4 2 0 3 1	1 2 1 5 2 0 2 0 1	1 1 4 1 1 3 1 0 1	1 0 1 3 3 1 2 1 - 0 1	1 0 2 3 1 1 1 1 1 0 1	1 0 1 2 1 0 0 1 0 0	0 1 0 0 1 1 0 0 0	0 1 1 0 0 0	0 1 0 0 1 1 0 0 0	0000000000	0 0 0 0 1 4 2 0	0 3 0 1 0 0 4 1 0 0	1 0 0 1 0 0 8 0	1 : 0 2 1 0 2 1 0 1
21 22 23 24 25 26 27 28 29 30	0 0 1 0 1 0 1 0	0 0 0 0 1 0 0 0	0 3 0 0 1 0 0 0 0 0	1 2 1 0 1 1 1 0 0 0 0	0 1 1 1 0 0	0 2 0 1 0 1 1 1 0	1 0 1 0 0 0	0 0 0 1 1 0 0 0 0	1 0 0 2 1 0 3 1 0 0	2 0 0 3 1 1 2 2 1 0	1 1 0 5 2 1 1 1 0 0	2 0 6 3 2 1	2 0 6 6 3 1 0	0 0 7 4 3 2 1 0	3 0 7 1 2 1	6 0 8 0 1 0 4 1	5 1 0 3 1 1 1 2 0 0	3 0 0 1 0 0 0 0 0	2 0 0 1 0 1 0 1 2 0	3 0 0 1 0 1 0 1 1 0	2 0 0 1 0 1 0 3 0	1 0 0 1 0 3 0 0	000000000000000000000000000000000000000	0 0 0 0 0 0 0 0 0	2 1 0 2 1 1 1 1 1 0 0
31 MEAN	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	, 1 1	1	1	1	1	1	1	0.9

PERCENTAGE OF DATA VALID - 98.9 PERCENTAGE OF DATA INVALID - 0.9 PERCENTAGE OF DATA UNAVAILABLE - 0.1

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. "***** INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNITS - 0.01 PARTS/MILLION

	STA	TION	- SW	NO	12016		COLLEG	GE/SOU	TH S	TREET	WIN	SOR				MON	TH - 1	VON	77						
DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	. 19	20	21	22	23	24 M	EAN
1	1	1	0	1	1	1	0	0	0	0	0		1	0	1	•	0		2	2	•	3			
2	1	1	1	*		0	1	1	1	1	1	2	1	ĩ	- 1	ż	2		•	î		1	ò	ò	
3	1	1	1	1	1	1	1	1	ó	1	1	1	1	2	2	•	- 1		÷	ò	ò	1	Ö	1	1
4	1	1	0	1	1	1	0	0	o		0	ò	ò	õ	2	ò	i	ò	ò	ŏ	1	ò		- 1	1
5	2	1	1	0	1	1	1	0	ŏ	0	o	õ	ŏ	ĭ	0	٠	ò	٠	0				0	1	0
6	0	1	0	0	î	0	o	Õ	õ	ŏ	ŏ	ő	ŏ	ó	ŏ	ö	ŏ	ò	0	2	2	0	0	0	1
7	0	0	0	0	0	0	ō	ŏ	0	ŏ	ŏ	č	ŏ	ő	ő	ŏ	ŏ	Ü	0	0	0	0	0	0	0
8	0	1	ō	ō	- 7	0	0	ŏ	ŏ	ŏ	7.70		·	1			• • • •	0		ō	0	0	0	0	0
9	0	0		- 1	- 2	ŏ	ŏ	ŏ	ŏ	ŏ	ò	0	ò		1			,	0	0	0	0	0	0	0
10	ō	ō	1	1		1	2	2	2	·	٠	2		0	0	0	_ 1	0			0	0	0	0	0
		•			- 6		-	2	2			2	2	2	3	2	2	1	0	0	3	3	1	0	1
11	1	1	1	4	3	1	2	3	2	3	3	3	1	1	3	2	2	0	2	0	0	0	11	0	2
12	1	2	3	3	2	2	1	0	1	1	0	0	1	0	0	1	0	1	ō	0	7	ĭ	ó	ŏ	- 1
13	1	1	1	1	1	1	0	1	0	0	1	1	1	1	0	1	o	ò	ĭ	ĭ	ò		ň	ŏ	
14	0	2	1	1	1	0	1	0	0	0	1	4	7	2	2	- 1	ī	ĭ	2	2		ò	Ÿ	·	1
15	0	1	1	2	3	1	1 .	***	0	2	3	2	1	2	5	2	•	ż	•	í	- 1	ŏ	ż	2	- 1
16	2	1	1	1	2	2	1	1	ō	1	o	1	2	2	1	5		- 1		ò	- !	- 2		2	2
17	0	0	0	1	0	0	0	0	1			1		2	ò	ō	ò	ż		Ü	- 1	1	1		,
18	1	1	1	2	1	1	1	1	o	Ö	1	-	- 6	7	Ÿ	·	ŏ	Ÿ		- 1	0	- 1	1	0	- 1
19	1	1	1	1	1	1	1	2	ĭ	- 7	i	•	ĭ	- 1	:		٠	- 1			- 1	1	1	- 1	- 1
20	1	1	1	1	1	1	1	- 7	4	- 0	1	i	ò	ò	:	ò			1	- 1	- 1	1	- 3	0	
									,				•	U	,		- 1	1	1	1	1	1	1	1	1
21	1	0	1	1	1	1	1	1	1	1	1	1	0	1	-1	1	1	1	1			1	1	1	
22	1	1	1	1	1	1	1	1	0	1	0 .	***	0	1 4	***	4	1	3	5	- 1 -			ò	ò	- 1
23	0	0	0	0	0	0	0	0	0	1	1	1	2	2		2	2	3	3			3	3	3	
24	3	2	2	2	3	2	1	1	2	2	0	1	1	- 1	ż	2	3	2	2	3	4	3	3		1
25	2	1	1	1	1	1	1	1	ō	ō	0	1	9	3	7	3		2	2	- 1	4	- 2		2	2
26	0	1	1	1	2	1	1	0	ĭ	2	1	ò	1	1	ò	õ	i	2	- 1	1	1	2		1	1
27	2	5	2	4	5	6	2	2	- i	- 7	1	ŏ	- 1	2	ĭ	Ÿ		2		2	1	3	2	1	- 1
28	5	4	2	3	3	3	3	2	2	3	3	2	3	-				2	2		3	3	3	5	2
29	1	1	ō	3	3	3	3	-	2	2	2	3	3	3	2	- 1		2	2	3	3	1	1	1	2
30	1		1	1	1	1	1	1	•	•	ő	ž	õ	ő	2	1	1	2	2	2	1	1	1	1	2
			- 5					•		- 2	J	U	0	0	0	0	0	•	1	1	1	0	0	0	1
MEAN	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1.0

PERCENTAGE OF DATA VALID - 97.2 PERCENTAGE OF DATA INVALID - 1.4

PERCENTAGE OF DATA UNAVAILABLE - 1.4

NOTES 1. ****** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. .. INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POL	LUTANT	· - s	ULP	HUR DI	OXIDE	E							UNITS	· · o.	01 PA	RTS/M	11110	N							
	STA	TION -	SW	NO	12016	i	COLL	EGE/SO	UTH S	TREET	WIN	DSOR					тн -		77							
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1 2	0	0	0	0	••••	••••	••••	0	o	2	3	3	3			3	4	1	1	i	1	,	1	2		1
ā	3	3	3	~	7	2	3	3	4	5	2	5	4	3	4	4	3	4	2	4	3	4	3	5		4
4	3	2	3	~	- 2	2		1	- 1	0	1	,	1	1	0	1	1	1	2	1	2	2	2	4	9	,
5	7		3	3	- 1	1	1	2	1	1	1	1	1	3	2	2	2	1	1	1	- 7	ō	- 1	1	- 3	2
ě	- 1	1	- 1		1	2	2	0	2	2	2	1	1	2	1	1	0	1	1	2	i	- 1	- 4	1		•
7	2	3	1	- 1	2	2	3	3	3	3	4	3	2	1	2	1	0	0		- 1	3	- 4	- 1	- 4		2
	-	4	5	В	6	6	7	7	8	4	3	4	6	-	3	5	3	2	,	- 1	ĭ	3	9	2		
9	2	4	5	2	2	2	2	3	2	2	1	1	2	2	2	1	1	ō		- 1	- 4	ő	ō	- 7		2
10	2	4	5	4	5	4	4	3	4	3	2	3	2	2	2	3	2	3	à	ä	,	4	ĕ	- 1		
10	2	2	3	7	5	4	4	7	6	5	2	2	2	2	3	2	2	3	3	2	2	ī	ī	4		3
11	3	2	4	5	4	5	2	****	5	5	7	7		3	-					4.						
12	0	1	2	2	1	2	2	2	2	3	3	2	7	••••	2		2	1	1	4	2	1	1	1		3
13	2	2	2	2	2	2	5	3	3	2	2	3		3	2		2	2	2	2	2	2	2	2		2
14	1	1	0	1	ī	2	- 1	ŏ	1	•	•	2	3	3	2	1	-	2	2	2	- 1	2	1	1		2
15	2	2	1	1	2	3	•	š	÷	2	- 1	-	•		3	2		2	2	2	3	3	3	3		2
16	0	1	•	1	- 7	ĭ	- 7	•	•	- 1	2	3			9	5		1	1	1	1		1	1		2
17	1	2	2	1	- 1	- 1	- 4		- 1	1	1	3	3	3	3	4	4	4	3	2	2	1	1	1		2
18	-1	1	7	•	2	•	- 4		- ;	ò	ò	1	- 1	1	1	1.	2	1	1	1	1	1	1	1	- 1	1
19	0	1	0	ò	ō	- 7	- 4		ò	ŏ	ŏ	2	0	2	1		-	1	2	0	1	0	0	0	3	1
19 20	1	1	1	2	ĭ	i	i	ò	ŏ	ŏ	ŏ	3	5	0	0	0	0	0	0	- 1	0	1	1	1		1
21	0	0	1	,	0	0	0	1	0	1	,	0	0		1	0	1									•
22	2	5	5	6	3	3	2	3	4	4	4	5	ĭ		- 1	٠	À	- 1	5	1	,	1		1	1	1
23	5	10	3	5	6	3	6	3	2	2	2	1	•		4	- 2	ž	- 1		4	1	1	1	2	- 3	3
24 25	1	2	1	1	1	1	1	1	- 7	ō	1	- 4	•	- 7	2		•	ò	2	2	3	5	2	2	2	3
25	3	3	2	3	3	4	3	3	3	4	3	À	3	3	3	2	2	3		0	0	0	3	3	1	
26	4	3	4	3	3	3	2	3	2	3	2	3	3	2	2	2	-	3	3	6	6	6	5	4	4	4
27 28	3	3	3	3	4	1	3	3	5	7	2	- 1	- 1	2		2	-		3 2 2	3	6	5	5	3	3	3
28	2	3	3	3	2	1	2	ĭ	7	- 1	- 7			2	2	3	- 2	2	2	2	2	2	5	2	- 3	t
29	8	5	2	2	- 1	3	- 7		2	3	3	- 1		4		1		- 1	2	3	4	4	8	9	- 2	ž
30	1	2	3	3	3	4	2	2	ร์	2	4	2	4	5	2	1	1	2	2	3	1	1	1	2	3	3
31	0	0	1	1	1	1	1	0	1.	1	0	0	0	0	0	0	0	0	0	0	0	0	0			
MEAN	2	2	2	3	2	2	2	2	2	2	2	2	2	2	2	2	2	1	2	2	2	2	2	2	2.1	

PERCENTAGE OF DATA VALID - 98.3 PERCENTAGE OF DATA INVALID - 1.1

PERCENTAGE OF DATA UNAVAILABLE - 0.7

- -- INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1977

POLLUTANT - SULPHUR DIOXIDE

YEAR

UNITS - 0.01 PARTS/MILLION

STATION - SW	NO 12016 COLLEGE/SOL	TH STREET WINDSOR		
MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	29	2.6	5	17
FEB	27	2.4	6	19
MAR	31	1.7	5	12
APR	30	1.7	4	22
MAY	31	1.5	3	20
JUN	30	1.1	2	14
JUL	31	0.9	2	6
AUG	31	0.9	3	12
SEP	30	0.9	3	9
OCT	31	0.9	2	8
NOV	30	1.0	2	7
DEC	31	2.1	4	10
VEAD	262			22

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

MONTHLY GROUP	FREQUENCY	DISTRIBUT	ION FOR	1977			
POLLUTANT - SUL	PHUR DIOX	IDE			ı	JNITS - 0.0	1 PARTS/MILLION
STATION - SW	NO 12016	COLLEG	E/SOUTH	STREET WIN	DSOR		
MONTH OO	TO 04 05	TO 10 11	TO 14	15 TO 25 2	6 TO 39 4	O SOVER	TOTAL
JAN	590	96	3	1	0	0	690
FEB	530	111	2	1	0	0	644
MAR	676	45	1	0	0	0	722
APR	648	47	3	1	0	0	699
MAY	680	30	6	3	0	0	719
JUN	676	18	1	o	0	0	695
JUL	702	4	0	0	0	0	706
AUG	706	11	1	o	0	0	718
SEP	691	18	0	o	0	0	709
oct	716	20	0	0	0	0	736
NOV	692	8	0	0	0	0	700
DEC	675	56	0	0	٥	0	731

FREQUENCY		ION BY	PERCENTILES									
	OF DATA				FREQUENCY		TRATIONS	PERCENT				ARITH
	VALID	WIN	10	30	50	70	90	95	98	99	MAX	MEAN
	96.7	0	0.0	0.0	0.6	1.3	3.0	4.3	5.9	7.4	22	1.5

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

														-		٠.	·	411.37 #	11110	IN.							
	STA	TION -	SW	NO	12032		MORTO	N DOC	K BED	FORD,	/0J18	WAY	WIN	DSOR			MON	тн -	JAN	77							
DAY	1	2	3	4	5	6	7	8	9	10	11	1	2	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1 2 3 4 5 6 7 8	- 0 4 0	. 0 4 0 2	0 2 0 1	0 2 0 2	0 2 0 4	0 2 1 3	0 2 1 4	0 2 2 2	0 2 2 2	1 2 5 3	6	*	DATA DATA	UNA	VAILA VAILA VAILA	ABLE ABLE ABLE ABLE 3 1 6		3 2 2 5	2 2 1 5 0	1 2 1 4 1	1 2 1 5 3	1 3 0 4	1 2 1 4 2	1 2 0 4 2	1 3 0 4 2		1 2 3 2
10	3	3	3	2	2	3	6	4	3	4	2		3	3	2	2	2	3	4	4	3	2	3	3	2		3
11 12 13 14 15 16 17 18 19 20	3 2 3 5 0	2 3 2 3 2 3 5 3	1 3 3 4 2 4 2 3 4 2	1 2 2 5 2 7 2 3 4 2	1 2 4 2 6 3 3 3	1 2 1 4 2 5 2 3 5 1	1 2 3 3 3 3	1 3 1 3 3 1 2 3 3 3	2 3 1 4 4 1 3 3 3 2	2 3 2 4 4 1 3 3 3 3 2	2 3 4 4 1 3 4	•••	5 4 1 3 7	2 1 7 3 1 2 5 • • • 5	2 2 3 2 3 4 4	2 1 1 5 2 2 2 3 3 2	2 1 5 3 2 1 3 2	2 1 4 3 1 1 3	1 2 4 2 1 3 0 2	1 2 4 3 2 1 3 0 3	1 1 3 5 2 1 2 2 0 2	1 1 4 4 2 1 3 2 0 2	1 2 4 3 2 1 2 2 2 2 2	1 5 3 1 1 2 1	1 2 3 3 2 2 3 2 0 2	••••	2 2 4 3 2 2 3 2
21 22 23	3 4 1	3 3 1	4	6	5	4	3	3	4 4 2	3 5 2	6 5 4		4	3 7	3 4 6	4	4	3	3	3	3	3	4	3	4		3 3
24 25 26 27	1	4 2 2	2 2	4 2 2	4	3 0	4	3	4	1 1 2	4 2 1		4	6 3 2	5	2	5 3	4 2 1	3 4 3 3	3 4 3 2 2	5 4 3 1 2	1 1 2	4 3 1	5 3 1	4 3 1		3 4 2 1
28	2	3	1	1	1	2	3	3	- 7	ō	ó		ò	ò	ò	ò	2	2	1	1	1	2	2	2	2		1
29 30	2	1	1	1 2	1	1	2	3	3	2	1		1	1	1	1	1	1	2	2	2	3	2	2	2		2
31	3	3	3	3	1	2	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	0		2
MEAN	2	2	2	2	2	2	2	2	2	2	3	:	3	3	3	2	2	2	2	2	2	2	2	2	2	2	
		Service Service																									

PERCENTAGE OF DATA VALID - 82.7 PERCENTAGE OF DATA INVALID - 3.1 PERCENTAGE OF DATA UNAVAILABLE - 14.2

NOTES 1. " " INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

PERCENTAGE OF DATA UNAVAILABLE - 0.0

2. .. INDICATES DATA IS UNAVAILABLE

3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

POLLUTANT - SULPHUR DIOXIDE UNITS - 0.01 PARTS/MILLION STATION - SW NO 12032 MORTON DOCK BEDFORD/OJIBWAY WINDSOR MONTH - FEB 77 HOUR 10 11 12 14 15 16 17 18 19 20 21 22 23 24 MEAN 1 2 3 4 5 6 7 8 9 11 12 13 14 15 16 17 18 19 20 DATA DATA DATA 2 331222 232221 3 3 3 2 3 1 1 84222 5 1 2 3 2 4 2 2 3 2 21 22 23 24 25 26 27 28 2 2 3 2 2 2 3 3 3 2 2 2 2.4

PERCENTAGE OF DATA VALID - 86.2 PERCENTAGE OF DATA INVALID - 13.8 NOTES 1. ****** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

"-" INDICATES DATA IS UNAVAILABLE

3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLITIANT . SHIPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

	POL	LUTAN		SULPH	UR DI	OXIDE								ONTIG		. 01 -	18.13/1	HILLETO	e 158.							
	STA	TION	SW	NO	12032		MORTON	DOCK	BED	FORD/	OJIB	NAΥ	WINDS	OR.		MON	ETH -	MAR	77							
HOUR	1	2	3	4	5	6	7	В	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	ı
1 2 3	2	3	0 3 1	0 4	4	0 4	0 4 1	0 4 2 0	0 4 3	4 6 1	4 5			2 3 3	3 3	1 3 3	3 3	1 3 4	2 2 3	2 2 3	3 3 2	2 3 2	2 2	2 2		3 3
4 5 6 7 8 9	0 2	0 2 2	0 2 2	0 1	1 2 2	0 4	0 3			2 2 3	**** 2 2 3		2	1 NVA		 3 5	0 7 3 5	0 5 3	0 3 3 2	0 2 5	0 2 3	2 2 2 2	1 1 2	0 1 2 1		2 2 2 2
11 12 13 14 15 16 17 18 19 20	1 3 0 0 0 3 1 0 1 1	1 3 1 0 2 2 0 2 2	0 3 1 0 1 3 0 1 2	0 2 0 1 3 1 0 2	0 1 0 1 2 1 0 1	0 1 0 0 4 1 1 1 2	0 1 1 0 1 1	0 1 3 0 3 1	2 1 0 0 1 2 0 2 1	4 0 0 0 1 1 4 1 3	6 0 1 1 2 6 3 3 3		3 0	0 1 1 1 2 2 2 3 1	7 0 1 0 2 2 2 3 2 3 2 3	2 2 3 2	3 0 0 2 3 1 1 3 3	20000251233	2 0 0 0 1 4 0 3 5 2	2 0 1 0 3 4 1 2 4	2 0 1 1 2 3 1 3 1 1	3 1 1 1 1 1 1 1	3 0 1 0 3 1 1	3 0 0 0 4 1 0 3	••••	3 1 1 2 2 2 2 2 2 2
21 22 23 24 25 26 27 28 29 30 31	1 5 3 3 0 1 0 1 0 0 2 1	1 3 5 3 0 0 0 1 1 0 1 1	1 2 4 3 0 0 2 1 0 0 1	1 3 3 3 0 0 2 1 0 0	0 2 2 4 4 0 0 0 1 1 1 0 0 0 1 1	1 1 1 1 5 0 0 0 2 1 1 0 0	0 0 2 1 1 0	1 2 1 4 0 0 3 3 1 2 0 0 1	1 2 1 3 2 0 4 1 2 1 0 1	1 3 1 2 2 0 4 1 2 3	1 3 1 2 4 1 4 0 0 0 1		2 2 2 4 5 1 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	4 1 2 5 1 2 0 0 1	1 2 4 1 1 2 0 1 2 3	4 2 3 4 1 2 1 1 1 2	4 3 3 5 2 2 1 1 2	6 3 3 6 1 3 1 1 3 3	5 2 3 4 1 2 1 1 3 2	2422312122	4 5 2 1 2 1 1 2 2 2 2	6 4 3 1 1 1 1 1 1 1 1 1 2 2 2	4 4 4 0 1 1 1 1 0 1 3	3 3 0 1 1 1 1 0 2		2 3 2 3 2 1 2 1 1 1 2
PERCEN	TAGE	OF DAT	A VA	LID	- 87,	2		PERCE	NTAG	E OF	DATA	INVA	LID -	12.8		p	ERCEN	TAGE	OF DA	TA UN	AVAIL	ABLE	- 0.	0		

NOTES 1. ****** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. *-* INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

UNITS - 0.01 PARTS/MILLION POLLUTANT - SULPHUR DIOXIDE STATION - SW NO 12032 MORTON DOCK BEDFORD/OJIBWAY WINDSOR MONTH - APR 77 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 MEAN HOUR DATA INVALID -2224 1 2 2 3 1 0 3 7 0 0 3 0 10 3 0 ò 2 0 2 2 0 11 12 13 14 15 16 17 18 19 20 0 0 0 11 2 0 0 2 0 8 2 3 2 1 2 1 2 0 0 21 22 23 24 25 26 27 28 29 30 0 00000 000303 003 00 0000 0 2 0 0 2 0 0 3 2 0 2 0 2 0 1 0 1.7 1 2 2 3 2 2 2 MEAN 2 2 2 2

PERCENTAGE OF DATA VALID - 89.6

PERCENTAGE OF DATA INVALID - 8.8

PERCENTAGE OF DATA UNAVAILABLE - 1.7

- 2. "-" INDICATES DATA IS UNAVAILABLE
 - 3. ****** INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNITS - 0.01 PARTS/MILLION

																	3.55	200	5.5						
	ST	ATION	- s₩	NO	12032	6	MORTON	DOCK	BED	FORD/	OJIBW	AY W	INDSC	R		MON	тн з	MAY	77						
HOUR DAY	1	2	3	4	5	6	7	В	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1 2	1 2	3	1	1	1 4	1	1	3	2	2	5	9	9	6	6	6	5 1	4	4	3	3	3	2 2	2 5	3 2
3 4 5	4 0 1	1	1 0	1 0	1 1 0	1 0	1 0	1	1	0	0	2	0	0 1 1	1 1 2	1 2	1 1 2	1 1 3	1 1 3	1 1 3	1 1 3	1 1 3	1 3	0	1 2
6 7 8	3 1 0	3 1 0	4 1 1	1 2	1	1	!	1	3 1 1	3 1 2	1 2	1 2	2 1 3	1 3	2 1 3	3 1 3	3 2 3	4 2 3	4 3 2	3 2 1	2 2	2 2 2	1 1 2	1 1 2	3 1 2
9 10	3 2	2	3	1	1	2 2	3	2 3	1	1 2	1 2	2	1 3	1 2	3	3	1 2	2	1 2	3	1 3	1	1	1	2
11 12 13	1 3 2	1 11 2	1 9 3	11 5	2 5 6	2 5	3 3 5	3 2 6	5 2 7	6 2 6	6	5 5	4 5 2	4 5	4 5 3	3 4	3 4 5	4 3 5	3 2 5	2 2 3	3	2 3 2	3	2	3 4 4
14 15 16	3 3 0	3	2	1	0	0	5 0 0	0	0	0 0 7	0	0	0 0 3	0 1 3	0 1 3	0	3	3 1 5	1 4	1 3	8 0 2	8 0 2	7 0 2	5 0 2	1
17 18 19	2 4 3	2 2 3	1	1	0	0	1	1 0 2	1	2	1	2	2	3	4 2	5	5	7	5	4	4 5	3	3	2 4	3
20	î	ī	ò	ò	Ó	0	0	1	4	3	6 4	5	13	3 28	10	4	3	3 4	4	4	4	4	4	4	4
21 22 23	4 3 1	3 1	3 2 0	1 0	1 1	1 1 1	2 1 1	3 1 1	1	6 4 1	7 5 1	7 3 1	2 2	3 2 4	3 8	3 2	4 3 1	5 3 1	5 2 2	5 2 2	5 2 2	5 2 1	1	4 2 1	2 2
24 25 26	0	0	1	1	0	0	0	1	2		2 3 2	3 3 3	3	4 3	4	4	2 4 5	2	2 5	2 6	2 - 9	10	20	13	2
27 28 29	****	****	5	3 0	3	2	2		3	3	2	3 6 0	6	6	7 0	8	8 0	7	7 D	6	5 0	5 0	4 0	3 0	0 3
30 31	0 5	1 3	1 2	1 2	,	1	0	1 1	1	1 2	1 2	1	2 5	3	3 5	2	2	2	3	5 3	9	12	10	10	3
MEAN	2	2	2	2	1	1	1	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	2.4

PERCENTAGE OF DATA VALID - 94.0 PERCENTAGE OF DATA INVALID - 3.9

PERCENTAGE OF DATA UNAVAILABLE - 2.2

PERCENTAGE OF DATA UNAVAILABLE - 4.6

NOTES 1. "**** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ******* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POL	LUTANT	· s	ULPH	UR DIO	XIDE								UNIT	5 - 0	.01 PA	RTS/M	ILLIO	N							
	STA	TION -	SW	NO	12032	Ì	MORTON	DOC	BEC	FORD,	/OJ I Bw	YAY	WINDS	OR		MON	TH -	JUN	77							
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	. 19	20	21	22	23	24	MEAN	
1	3	2	1	1	1	1	1	1 .	• • • •	-	2	2	0	0	****	1	1	1	1	1	1	2	2	1		1
2	1	2	1	1	2	3	2	1	1	****	1	2	1	1	1	1	1	1	1	1	0	0	0	1		1
3	1	1	2	1	0	0	2 0 1	0	0	0	0	2	3	4	3	4	5	4	5	5	2	1	1	1		2
4	1	1	0	0		0		2	1	2	1	1	2		3		3	3	4	4	3	3	3	2		2
5	2	2	1	1	1	1	2	2	2	- 1	1	1	2	1	2	2	2	2	2	2	1	1	1	1		2
6	1	1	2	2	1	1	1	1	1	****	0	0	1				1	1	1	1	0	0	1	1		1
7	2	1	4	8	5	6	4	1	1	1	1	1	1	2	2	2	2	2	2	2	1	1	1	0		2
8	0	0	0	0	0	0	1	1	1	1	1	1	1	3	4	3	1	1	1	1	1	1	2	1		1
9	0 2 0	1	1	1	1	2	2	1	1	1	1		0	3 0		1	1	1	1	1	2	2	2	2		1
8 9 10	0	0	1	1	0	1	2	1	0	1	1	1	2	2	! 3	3	2	2	3	4	3	2	1	1		2
11	1	1	0	0	0	0	0	0	0	1	2	3	8	6	7	6	2	2	2	1	3	4	2	1		2
12	1	1	0	0	0	0	0	0	0	0	0	- 1	2	2	. 2	2	3	4	2	2	1	1	1	1		1
12 13 14	2	1	1	1	0	0	0	1	1	1	1	1	1	1	2	2	2	2	2 2	6	17	22	9	6		3
14	3	3	2	2	1	0	1	2	2	2	1	1	1	1	1	2	1	1	2	2	3	2	2	- 1		2
15	1	0	1	1	2	3	3	3	9	7		2	. 1	2	2	3	3	3	3	3	3	2	1	1		3
16	1	1	0	0	0	0	0	2	2	3	11	17	9	5	7	4	6	5	4	4	4	4	3	2		4
17	3	4	3	2	1	0	1	1	1	1	1	2		3	3	4	4	3	4	3	3	3	3	3		2
18	3	2	2	2	2	2	1	1	1	1	1	1	2	2	2		3	3	4	3	3	3	2	2		2
16 17 18 19	3	2	1	1	1	1	1	1	1	1	1	2	. 1	2	2	. 2	2	2	3	3	2	2	- 1	1		2
20	1	1	1	1	3	2	1	0	1	****	0	1	1	2	2	2	3	3	3	3	3	4	3	2		2
21	2	1	1	2	1	2	2	1	1	1	-1	1	1	1		2	1	2	2	2	2	2	2	2		2
22	1	2	2	1	1	2	2 3 0	3	3	3	- 1	0	1	1	1	1	2	3	3		3	2	2	2		2
23	1	1	0	0	0	0	0	0	0	1		1	1	2		3	3	2	3	3 2 4	2	2	1	1		1
24	1	1	1	1	1	2	2	2	1	1	1	1	2	2 2	1 2	3	4	4	5	4	4	3	3	2		2
25	2	2	2	2	2	1	1	1	1	2	2	3	. 3	3	3	3	4	4	4	3	6	7	6	4		3
26	3	3	2	1	0	0	0	1	2	2	2	3		3	3			4	3	2	3	2	2	1		2
27	2	2	1	0	0	0	o	0	ā	****	1	2		3		3	4	5	5	4	4	4	3	3		2
28	3	2	2	2	1	1	i	ĭ	1	2	2	2		1 3		4	4	4	4	4	5	4	3	3		3
21 22 23 24 25 26 27 28 29 30	•	-	-	-		-				-	_	- D	ATA L	INAVAI						-3	-					
30			-	*	1.			***	• • • •	••••	••••			. 6		4	4	4	3	3	2	2	2	1	••••	••
MEAN	2	1	1	1	1	1	1	1	1	2	1	2		2	2 3	3	3	3	3	3	3	3	2	2	2	.0

PERCENTAGE OF DATA VALID - 93.6 PERCENTAGE OF DATA INVALID - 1.8 NOTES 1. ****** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "." INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEJS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNITS - 0.01 PARTS/MILLION

	ST	ATION	- SW	NO	12032		MORTO	N DOC	K BED	FORD/	OJIBW	AY W	INDSO	R		MON	TH -	JUL	77						
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
																								- 2	
1	1		0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	2	2	1	1	2	5	1
2	4	1	0	0	0	1	1	1	0	0	1	1	1	1	0	1	1	2	2	2	1	0	0	0	- 1
3	0	0	o	0	0	0	0	0	1	0	1	3	1	2	1	2	2	1	2	2	2	2	3	4	. 1
4	3	2	2	2	2	2	1	1		2	2	2	1	1	2	2	2	2 5	2 2 5	2	1	1	1	0	2
5	o	0	0	0	0	0	0	0	0	1	0	0	0	1	3	4	5		5	5	4	3	3	2	2
6	2	2	1	1	1	2	2	. 1	1	2	2	2	2	2	3	3	3	3	4	4	4	4	4	4	2
7	4	4	2	2	2	2	.10	1	2	3	2	2	3	3	2	2	2	2	2	3	3	2	2	3	2
8	3	3	2	1	1	1	1	1	1	2	2	3	6	2	3	5	5	5	4	4	4	3	3	2	3
9	2	2	1	1	1.	1	1	1	1	- 1	1	2	2	2	3	3	3	3	3	4	3	5	6	6	2
10	2	1	1	1	1	0	0	1	1	0	0	0	1	.1	2	2	2	1	2	- 1	1	1	1.	1	,
11	1	1	0	0	0	0	0	0		1	1	1	1	1	2	3	4	3	3	3	3	3	2	2	2
12	1	1	0	0	0	0	0	0	0	1	1	. 1		****	3	3	2	2	2	3	3	3	2	2	2
13	2	2	2	4	6	5	6	4	3	3	2	****	2	2	4	3	4	5	4	4		3	3	2	3
14	2	1	1	1	0	0	0	0	0	2	4	5	6	5	5	5	5	5	4 5	5	3	5	5	3	3
15	2	3	3	3	2	1	1	1	1	1	1	3	3	3	5	5	5	5	5		5	2	2	1	1
16	2	2	1	1	1	0	0	0	0	0	0	0	0				••••		2	2	2	3	2	2	2
17	1	1	1	1	1	1	1	1	- 1	1	2	3	3	4	5	5	4	4	4	4	3				
18	1	1	0	0	0	0	0	0	1	****	3	5	4	4			2	3		4	4	4	4	3	
19	****	****	****	****			****	****	••••				4.4			4	4	5	3 5	5	6	4	3	3	3
20	3	2	2	2	1	1	1	1	2	2	2	2	3	3	4										
21	3	2	2	2	3	3	3	2	3	3	4	3	3	2	2	3	2	2	2	2	3		- 1	0	2
22	0	0	1	0	0	0	0	1	0		1	2	2	2	2		4	4	3	2	2	2	1	1	1
23	1	0	0	0	0	0	1	0	2	3	2	5	4	5 3 0	6	7	8		6	5	3	3	2	2	3
24	2	2	2	0	0	0	1		1	2	1	2	2	3	3			5	4	4	3	3	3	3	2
25	1	1	0	0	0	0			0	0	0	0	0	0	0			1	- 1	2	2	2	2		1
26	1	1	1	2	3	4			3		3	2		2		2		****	1	0	0	0	0	0	2
27	0	0	0	0	0	0			0	0	0	0		0		0			0	0	0	0	0	3	2
28	0	0	0	0	0	0			1	1	2	1	1	2	3				4	4	4	4		0	2
29	2	2	1	1	0	0			****	3	3	3		3				5	5	3	3	2	!	****	2
30	0	0	0	0	1	4	1	1	0	- 1	1	3	4	6	3	4	4	••••							-
31												-	DATA	INVA	LID -										
MEAN	2	1	1	1	1	1	1	1	1	-1	2	2	2	2	3	3	3	3	3	3	3	2	2	2	1.9

PERCENTAGE OF DATA VALID - 91.0 PERCENTAGE OF DATA INVALID - 9.0

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. ****** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ******* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	PC	LLUT	ANT -	SULP	HUR DI	OXIDE								UNITS	- 0.	01 PA	RTS/MI	LLIO	N						
	57	ATIO	N - SI	NO NO	12032	1	MORTO	N DOCK	BED	FORD/	JIBWA	Y W	INDSO	ıR		MON	тн - д	UG	77						
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	. 19	20	21	22	23	24	MEAN
1 2 3 4 5 6 7 8 9	0 0 1 2 1	1 0 1 1 2	0 0 2	1 0 1 1 2	0	0 0 0 0 2	1 0 1 0	1 D 1 1 1 1	1 1 1 0 0	1 1 1 0 0	1 0 1 0 0	*	DATA	INVAL INVAL INVAL INVAL O 0	ID -	3 1 1 1 1 1	3 0 1 2 1 1	3 0 2 2 1 1	3 0 2 2 1 1	2 0 2 2 1 1	1 0 1 1 1 1	2 0 1 1 1 1 1	2 0 3 0 1 1	0 0 3 1 1 1	2 0 1 1 1 1 1
11 12 13 14 15 16 17 18 19	1 1 2 0 0 1 4 1 1	1 1 1 2 0 0 0 3 4	0 0 2 2 2	1 0 1 1 0 0 0 1 3	1 0 0 0 1 2	1 0 0 2 0 0 0 1 2 0	1 0 2 2 0 0 0 0 2 1	1 0 0 0 8 3 0	1 0 1 1 0 2 	1 2 1 1 5 1 4 0	1 1 1 0 3 1 3 1 0	1 1 2 3 0 3 2 2 1 0	1 1 2 2 2 2 2 2 2 2 2 0	1 1 3 3 1 2 2 1 2	22321221	2 2 2 1 1 2 1 2 1	2 2 3 3 1 1 2 2 2 3	2 2 3 2 1 1 3 2 3 4	2 2 2 1 1 3 2 4 5	2 3 2 2 1 1 4 4 3 4	1 2 3 3 1 1 5 3 2 1	1 2 3 2 0 1 3 2 1 1	1 2 3 1 0 1 6 1 1 1	1 1 2 1 0 1 3 1 1 1	1 1 2 2 2 0 1 2 2 1
21 22 23 24 25 26 27 28 29 30	0 3 3 0 1 2 4 4	0 1 2 4 4	0 0 1 2 3 3	2 2 2 3 3	2 2 3 2	2 2 2 2 2		10 0 1 2 1 2 2 0	7 0 1 **** 2 2 3 2 0	4 0 2 3 2 4 1	2 1 1 0 0 5 2 2 1 0	2 1 2 2 3 3	2 2 1 0 2 7 2 3	2 2 1 0 2 4 3 3 3 2	1 2 2 1 2 5 3 4	2321344526	2 1 1 3 4 5 6 3 8	3 1 2 3 4 6 9 4 7	1 2 1 3 3 4 6 8 2 4	1 3 1 3 4 5 8 2 3	1 2 1 2 2 4 4 6 1 3	1 5 1 2 2 3 4 5 1 3	0 2 1 3 3 5 1 3	0 1 1 3 4 6 0 3	2 3 3 3 4 2 2
31 MEAN	1	1		1	1	1	1	1	1	1	0	1	5	2	2	2	2	3	3	3	2	2	2	2	1.7

PERCENTAGE OF DATA VALID - 82.4 PERCENTAGE OF DATA INVALID - 17.6

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. *- INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNITS - O. O. PARTS/MILLION

	PO	LLUTANT	- 5	ULPH	UR DI	OXIDE							,	JNIIS	. 0.	OI PA	KI2/W	ILLIO	N							
	ST	ATION -	sw	NO	12032		MORTON	DOCK	BED	FORD/	OJIBW.	AY I	VINDSO	2		MON	тн -	SEP	77							
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1 2 3 4 5	1 0 4 1 3	1 0 3 1 3	1 0 3 1 2 0	1 0 2 1 1	0 2 0 1	0 0 2 0 1 0	0 2 0 1	0 0 1 0 1 0	0 1 1 1 0	1 1 1	1 1 3 0	1 1 3 0	1 2 1 3 1	1 2 1 5 1	1 3 1 3	2 3 2 5	2 3 2 5 1 2	2 4 2 5 1 2	2 3 2 4 1	2 3 2 3 1	4 4 2 3 1 2	1 4 2 3 1	1 5 4 3 0	1 4 2 3 0	1 2 2 2 1	
7 8 9	0 1 1	0 1 2 1	0 0 1	1 2	0 1 3 3	0 1 5 2	0 1 4 0	0 1 5 0	5	2 7 1	1 8 1	0 2 7 1	1 2 8 1	2 2 3 3	2 2 3 2	2 3 4 2	3 3	3 4 3	2 3 4 3	3 4 2	2 3 4 2	2 2 4 3	2 2 9	1 2 2 1	1 2 4 2	
11 12 13 14 15 16 17 18 19	1 0 0 2 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 3 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0	000401000	1 0 0 3 0 1 0 0	4 1 5 0 1 0	2 0 1 4 0 1 0	1 0 1 2 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0	3 0 0 5 0 1 0	0 0 0 0 1	3 1 0 2 1 	20000	7 1 0 1 2 0 0	3 1 1 2 3 0 0 0 0 1 1	2 1 1 2 3 1	2 1 1 2 2 1 2 1	3 10 1 2 2 2 1	4 9 1 2 1 1 1 2	3 3 2 2 1 1 1 2	3 0 1 2 2 1 1 1	200112111111111111111111111111111111111	2 2 1 1 1 0 0 0 2 2	1 2 1 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 0 2 1 1 0 0 0 1 1	1 0 2 1 1 0 1	2 1 2 1 0 0 1	
21 22 23 24 25 26 27 28 29 30	2 0 0 1 2 1 1 3 2 1	3 0 0 1 3 1 1 2 1 1	4 0 1 1 2 1 3 2 1	3 0 1 1 1 3 2 2 1	3 0 1 1 1 1 2 2	2 0 1 1 0 0 0 0 3 2 1	2 0 1 1 0 1 1 2 2 1	3 0 1 0 0 1 1 2 2	2 0 1 1 1 1 3 3 2 3	2 0 1 1 1 1 2 3 3 2	7 1 1 1 0 1 1 3 3 1	5 0 1 1 2 1 2 1 2	0 1 2 1 1 1 3 1	3 0 2 1 3 1 2 3 1 3	1 0 2 2 2 1 2 3 1 3	2 3 1	1 0 2 2 2 2 1 3 1 2	1 0 2 2 2 2 2 3 1 2	1 0 2 2 2 2 2 2 1 1	1 0 2 1 2 2 2 2 1 1	1 0 2 1 1 1 2 2 1 3	1 0 2 1 1 2 3 2 1 2	0 0 1 1 1 1 2 2 1 1	1 0 1 1 1 3 2 2 1 1	2 0 1 1 1 1 2 2 1 1 2	
MEAN	1	1	1	1	1	1.	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1.5	

PERCENTAGE OF DATA VALID - 94.0

PERCENTAGE OF DATA INVALID - 5.4

PERCENTAGE OF DATA UNAVAILABLE - 0.6

NOTES 1. ****** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. -- INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

UNITS - 0.01 PARTS/MILLION POLLUTANT - SULPHUR DIOXIDE STATION - SW NO 12032 MORTON DOCK BEDFORD/OJIBWAY WINDSOR MONTH - OCT 77 20 21 22 23 HOUR 7 10 11 12 13 14 15 16 17 18 19 6 9 2222 253120102 10 0 ···· 6 8 0 0 0132222232 0 1 1 2 1 0101011221 0 2 1 1 0 1 0200014120 11 12 13 14 15 16 17 18 19 20 1 2 4 10 1 3 0 21 22 23 24 25 26 27 28 29 30 2005-00 010000 000000 030000 - DATA UNAVAILABLE 2 2 3 ***** 2 2 2 3 2 2 3 31 1 1 1.5 2 2 2 2 2 2 MEAN

PERCENTAGE OF DATA VALID - 86.4

PERCENTAGE OF DATA INVALID - 1.2

PERCENTAGE OF DATA UNAVAILABLE - 12.4

- 2. .. INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNITS - 0.01 PARTS/MILLION

	\$1	TATION -	SW	NO	12032		MORTO	N DOC	K BED	FORD/	OJIBV	AY W	INDSO	R		MON	TH -	NOV	77						
HOUR DAY	1	2	3	4	5	6	7	8	9	10	1.1	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1 2 3 4 5 6 7 8 9	3 2 1 1 2 0 0	2 3 1 0 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2 2 1 0 2 0 0 0 0	2 3 1 0 1 0 0	2 3 1 1 1 0 0	2 3 1 2 1 0 0	2 2 1 1 1 0 0	2 2 1 0 1 0 0 0	2 3 1 0 0 0 0	2 3 1 0 0 0 0	2 3 1 0 1 0 0 0 0 0 0	2 3 1 0 0 0 0 0 0	2 4 2 0 0 0 0 0 0 0 0 0	2 4 2 0 0 0 0 0	2 4 0 0 0 0 0 0	2 4 2 0 0 0 0 0 0 0	2 4 2 0 0 0 0 0 0	3 4 2 1 0 0 0 0 0	3 3 2 0 2 0 0 0 0	3 2 2 1 1 0 0	3 2 1 1 1 0 0	4 2 1 0 0 0 0	3 2 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2 1 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2 3 1 0 0 0
11 12 13 14 15 16 17 18 19 20	000000000000000000000000000000000000000	1 0 1 **** **	1 0 3 3 0 0 0 0 1	2 0 3 *** 0 0	0 0 4	1 0 2 **** 0 0 0	1 0 2 **** 0 0 0	0 0 1	2 0 1 **** 0 0 1 3	2 1 2 **** 0 0 2 3	1 1 1 0 1 3	- DA	ō	0 0 0 0 0 0	2 0 2 0 0 0	2 0 2 	3 0 1 **** 1 1 0 1	4 1 1 ••••• 1 1 0 1	5 0 1 1 1 0 1	3 0 1 •••• 1 2 0 2	2 0 2 1 1 0 3 1	2 0 1 1 1 0 1	4 0 1 1 0 0 1 0	5 0 0 0 1 1 1 1 1	0 0
21 22 23 24 25 26 27 28 29 30	1 2 1 2 1 6 1 4 2 2	1 1 5 1 4 1 1	1 2 1 1 0 5 2 4 1 1 1	1 1 1 0 6 2 2 1 1	1 0 0 1 0 4 2 3 2 1	1 0 0 1 1 4 2 3 4 1	1 1 0 1 1 5 3 3 1 1	0 2 0 1 0 4 2 3 0 2	1 3 0 1 0 4 2 3 0 2	0 3 1 1 0 4 2 3 1 1	0 5 1 1 0 3 2 3 1 1	3 1 3 2 0	0 1 2 1 2 4 2 2 2 0	0 1 1 1 1 3 2 2 2 1 1	2 1	0 1 2 1 1 2 2 1 1	0 2 2 0 1 2 2 2 1 1	0 4 3 1 1 3 2 1 1 2 1	0 5 3 1 1 1 2 2 2 2 2	0 2 2 2 2 2 3 1 2 2 2	0 1 2 2 2 2 3 2 1 2	0 0 2 2 2 6 2 3 3 1 2	1 0 1 1 5 1 3 2 1 2	1 0 1 1 6 1 4 2 1 2 1 2	0 2 1 1 1 1 3 2 3 1 1 1 1 1 2
MEAN	1	1	1	1	1	1	1	1		1	1	1	1	1	1	1	1	. 1	1	1	1	- 1	1	1	1.2

PERCENTAGE OF DATA VALID - 85.7 PERCENTAGE OF DATA INVALID - 4.9

PERCENTAGE OF DATA UNAVAILABLE - 9.4

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POLL	UTANT	- SI	JLPH	UR DIO	KIDE							u	NITS	- 0.	01 PA	RTS/MI	LLIO	N						
	STAT	ION -	SW	NO	12032		MORTON	DOCK	BEDF	ORD/	OJIBWAY	WIN	NDSOR			MON	тн - р	EC	77						
HOUR	t	2	3	4	5	6	7	8	9	10	1.1	12	13	14	15	16	17	18	. 19	20	21	22	23	24 M	EAN
1 2 3 4 5 6 7 8 9	1 1 2 3 0 2 1 1 1 1	2 1 1 2 0 2 1 2 1 2	1 1 4 0 0 2 1 2 2	1 1 2 1 0 2 0 1 2 1	0 1 1 1 0 4 0 4 2 2	0 1 0 2 1 5 1 2 2 2	0 1 1 3 1 9 1 2 1 2	1 2 1 3 1 6 1 2 2 3	1 2 2 1 1 5 1 2 3	1 2 2 2 1 3 2 3 1 3	0 2 2 1 2 2 2 2 2 2 2	1 1 2 2 1 6 1 1 1 2	2 1 3 3 1 3 1 2 1 2	1 1 4 1 2 4 1 2 1 2	1 5 5 1 1 2 3 1 2	1 1 5 0 2 1 1 1 2	2 1 2 1 1 2 1 1 2	1 2 1 1 3 1 1 1 2	1 1 1 1 3 1 2 1 2	1 1 2 3 0 2 1 2	1 0 0 2 2 1 1 1 2	1 2 2 0 1 2 2 1 1 2	1 2 3 0 2 2 1 1 1 1	1 1 3 0 2 2 2 1 1 2	1 1 2 2 2 1 3 1 2 1 2
11 12 13 14 15 16 17 18 19 20	2 1 2 0 1 0 1 0 0 1	2 2 2 0 1 0 1 1 0 1	2 3 2 0 1 0 0 1	2 3 2 0 1 0 0 1 0 2	2 2 1 0 1 0 0 1 0	1 3 2 0 1 0 0 1 0 2	4 2 2 0 1 0 0 1	2 2 2 0 1 0 0 1 0 1	2 3 2 0 1 0 1 0	3 4 1 0 0 1 1 0 0 1	5 4 2 0 0 2 1 0 0	6 3 2 1 1 2 1 1 0 2	2 3 1 1 2 1 1 0 4 •	2 4 1 1 0	1 1 1 1 1 1 0 1 1	1 2 1 3 4 1 1 0 2	1 2 0 2 1 4 1 1 0	1 2 1 1 3 1 1 1 1 1	3 1 1 2 1 3 1 1 1	4 2 1 1 2 1 0 1 1	6 2 0 1 1 1 0 1	4 2 0 2 1 1 1 0 1	2 2 0 2 1 1 1 0 1 1	2 2 0 1 0 1 1 0 1 1	3 2 1 1 1 1 1 1 0
21 22 23 24 25 26 27 28 29 30	1 1 5 1 1 0 1 2 1	1 1 6 1 1 1 2 2 2	1 1 2 0 1 1 1 1 2 2 3	1 1 2 0 1 1 1 1 1 2	1 1 4 0 1 1 1 1 1 2 4	1 1 3 0 1 1 2 1 2 5	1 1 5 0 0 1 1 1 1 3	1 3 0 0 1 0 0 5	1 1 2 0 0 1 0 1 1 4	1 1 2 0 0 1 1 0 1 3	1 1 2 0 0 1 1 1 1 4 4	1 1 2 1 0 1 1 1	0 1 2 1 0 1 1 1 1 1 1 1 3	0 0 2 1 0 1 1 1 1 1 2	0 0 2 1 0 1 1 1 1 4	0 1 2 1 1 1 1 1 1 3	1 1 1 1 1 1 0 1 1 1 2	1 1 1 1 0 1 1 1 1 2	1 3 1 1 0 1 1 1 2 2 2	1 3 1 0 0 1 1 1 1 2 2	1 1 2 0 0 1 1 1 2 2 2	1 1 2 0 0 1 1 2 2 1	1 1 0 0 1 0 1 1	1 1 2 0 1 1 1 1 1 1 1	1 1 2 1 0 1 1 1 1 3
31	1	1	2	2	2	2	2	2	2	2	1	1	1	1	-1	1	1	1	1	1	1	1	1	1	1
MEAN	1	1	1	1	1	1	2	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	î	1	1.3

PERCENTAGE OF DATA VALID - 98.8 PERCENTAGE OF DATA INVALID - 1.2 PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1977

POLLUTANT - SULPHUR DIOXIDE

UNITS - D.O1 PARTS/MILLION

1.4424.00				
STATION - SW P	NO 12032 MORTON DOC	K BEDFORD/OJIBWAY WINDSO	R	
MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	25	2.3	4	7
FEB	24	2.4	5	17
MAR	26	1.8	3	9
APR	25	1.7	4	17
MAY	28	2.4	4	28
JUN	28	2.0	4	22
JUL	28	1.9	3	8
AUG	26	1.7	4	11
SEP	28	1.5	4	10
oct	27	1.5	4	10
NOV	25	1.2	3	6
DEC	31	1.3	3	9
YEAR	321	1.8	5	28

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

MONTHLY	GROUP	FREQUENCY	DISTRIBUTION	FOR	1977

angean and a	500 107 7						
POLLUTANT -	SULPHUR D	OXIDE				JNITS - 0.0	1 PARTS/MILLION
STATION - S	SW NO 1203	32 MORTO	N DOCK BED	FORD/OJIBW	AY WINDS	DR	
MONTH	00 TO 04	05 TO 10 1	1 TO 14 1	5 TO 25 2	6 TO 39	40 BOVER	TOTAL
JAN	574	41	0	0	0	0	615
FEB	508	69	0	2	0	0	579
MAR	620	29	0	0	0	0	649
APR	608	32	3	2	0	0	645
MAY	605	87	5	1	1	0	699
JUN	641	29	1	3	0	0	674
JUL	626	51	0	0	0	0	677
AUG	581	31	1	0	0	0	613
SEP	657	20	0	o	0	o	677
ост	606	37	Ο.,	0	0	0	643
NOV	604	13	o	0	0	0	617
DEC	719	16	0	0	0	0	735
YEAR	7349	455	10	8	1	0	7823
FREQUENCY	DISTRIBUT	ON BY PERCE	NTILES		eencen:	*****	

ERECUENCY	DISTRIBUT	TON BY	PERCENTILES									
, under	PERCENT OF DATA		10	30	FREQUENCY 50		TRATIONS IBUTION. 90		98	99	MAX	ARITH MEAN
	VALID	MIN	10	30	50							
		•	0.0	0 3	1.0	1.8	3.3	4.4	5.8	7.0	28	1.8

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

	STA	TION -	SW	NO	14004		HYDRO	55 0	ONCES	SION	14/15	cou	RTRIC	SHT		MON	TH -	JAN	77						
HOUR	1	2	3	4	5	6	7	. 8	9	10	1.1	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1 2 3	0 1 2	0 1 2	0	1 1	1 1 1	1 1 1	1 1	1 1	1 1	1 1	1 1 1	4 1 2	3 1 2	3 1 4	1 3	1 1 2	1 1 2	1 1	1 1	1 1 1	1 1	1 1	1 1 1	1 2 2	1 1 2
4 5 6	1 0 0	0	0	0 0	1 0 0	0	1 0 0	0 0	1 0 0 2	1 0 0	0	1 0 0	1 0 0	2 2 1	1	3 0 1	**** 1	1 0 1	1 1	0 1	0 1 1	1	0 1 2	0 0 2	1 0 1
7 8 9	1 0 1	1 0 1	0	0 1 0	1 0 1	0 0	0 0	1 0 1	0 0	2 0 0	2 0 0	1 0	3 0 0	2 1 0 2	1 0 2	2 0 2	2 0 3	2 0 3	1 1 0 3	0 2 0 3	1 0 2	1 0 3	0 3 0 2	0 1 0 2	1 1 0
11	2	2 2	2 2	2 2	1 2	1 2	1 3	1 2	1 2	1 2	1 2	1 2	1	1	1	1	1 1	1	2	1	2	2	2	2	1 2
13 14 15 16	1 3 1 0	1 3 1 0	1 2 2 0	1 2 0	1 1 0	1 1 0	1 1 1 0	1 1 1	1	1 1 1 0	1 2 0	3 2 2	2 1 0	3 2 1 0	2 2	1 1 0	1 1 0	1 1 0	1 1 0	1 1 0	3 1 1	1 1 0	3 2 1	2 1 0	1 1 0
17 18 19	0000	1 0	0 0	1 0	1 0	1 0 0	1 0	1 0	1 0	1 0	1 0	0 0	0	1 1 0	1 1		****	0000	0 0	1 0	1 0	1 0	0	0	0 0
20	0	0	0	0	0	• • • •	****	••••	****	••••	****			INVALID		****	****	****	••••	••••	••••	••••	••••	••••	*****
22 23 24 25													DATA DATA DATA	INVALID INVALID INVALID) -										
26 27 28 29												•	DATA DATA DATA	INVALID INVALID INVALID) -										
30														INVALID											
MEAN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	0.9
PERCENT	AGE O	F DATA	VAL	.ID -	61.4			PERC	ENTAGE	OF	DATA I	NVAL	D - :	38.6		PI	ERCEN	TAGE (OF DA	TA UN	AVAILA	ABLE -	0.0		

NOTES 1. ****** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. "***** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

POLLUTANT - SULPHUR DIOXIDE UNITS - 0.01 PARTS/MILLION STATION - SW NO 14004 HYDRO SS CONCESSION 14/15 COURTRIGHT MONTH - FEB 77 HOUR 6 7 8 9 10 11 12 13 14 16 17 18 19 20 21 22 23 24 MEAN 0 ***** 0000552455 0000352454 0000541 0000531433 0000521 0 0 0 0 0 3 0 0 4 0 0 3 0 0 2 0 2 007 0 0 3 0 2 4 0 5 6 7 8 9 2 2 0 0 3 1 2 7 5 1 2 11 12 13 14 15 16 17 18 19 20 0 0 0 2000000000 000000021 0000000 0000000 200000001 N000000000 1000020310 000000 000040 0 21 22 23 24 25 0 0 26 27 28 2 1 1.1 MEAN 1 2 2 2 1

PERCENTAGE OF DATA VALID - 97.6

PERCENTAGE OF DATA INVALID - 2.4

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNITS - 0.01 PARTS/MILLION

	POL	LUIAN		ULPH	טום אנ	AIDE							,				11 . J / m		•						
	STA	TION	- sw	NO	14004	н	YDRO	ss co	NCESS	ION	4/15	cou	RTRIG	ŧT.		MON	тн - 1	MAR	77						
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 1	MEAN
1 2 3 4 5 6 7 8 9	0 0 0 0 0 0 0 0 0	.0000000	00000000	000000000	000000000	000000000	000000000	0 0 0 0 0 0 0	110000000	000000011	1 0 0 0 0 0 0 1 1 1	201000011	4 0 2 0 0 1 1 1 3	3 0 2 0 0 0 0 1 1 3	2 0 1 0 0 0 0 1 1 4	201000011	0 1 0 0 0 1 2	0 0 0 0 2 1 1 2	0 0 1 0 1 1	0010000011	0 0 0 0 0 0 0 1	0 1 1 0 0 0 0 0 0 1	0 0 0 0 0 0 0 1	0 0 1 0 0 0 0 0 1	100000000000000000000000000000000000000
10 11 12 13 14 15 16 17 18 19 20	0 1 2 1 0 0 3 0 0	1 2 1 1 0 3 0 0 0 0	1 1 2 2 0 0 3 0 0 0 0	0 1 2 1 0 0 4 0 0 0 0	0 1 2 1 0 0 1 0 0 0 0	0 1 2 1 0 0 0 0 0 0	0 1 2 1 0 0 2 0 0 0 0	0 1 2 1 0 0 2 0 0 0 0	0 2 2 1 0 0 1 0 0 0 0	1 0 0 0 0 0 0 0	5 2 1 1 0 0 0 0 0 0	6 2 2 1 1 0 2 0	4 2 2 1 2 0 29 0	3 2 3 1 2 0 13 0	3 2 2 1 2 0 18 0	3 2 3 1 2 1 17 0	3 2 4 1 2 3 0	3 2 2 1 1 3 3 0 1 1	3 2 2 1 1 3 2 0 1 2	3 2 2 1 1 4 0 0	2221040000	2 2 1 0 0 3 1 0 0 0	2 2 1 0 0 1 1 0 0 0	2210101000	2 2 2 1 1 2 4 0 0 0
21 22 23 24 25 26 27 28 29 30	000000000	000000000	00000000	000000000000000000000000000000000000000	0 0 0 0 0 0 0 0 0	000100000	00000000	0 0 0 0 0 0 0	1 0 0 0 0 0 0	1 0 0 1 1 0 0 0	20100011000	0 1 0 1 2 0	2 0 2 0 1 3 2 0 1 0	2000	2000102000	000000000000000000000000000000000000000	3 0 0 0 0 0 1 0	000000000000000000000000000000000000000	00000000	0 0 0 0 0 0 1 0 1	00000000	000000001	000000001	000000000	1 0 0 0 0 1 0
31 Mean	0	0	0	0	0	0	0	0	0	0		1	•••• 2	1	1	2	1	1	1	1	••••		•••• o	••••	0.6

PERCENTAGE OF DATA VALID - 97.6

PERCENTAGE OF DATA INVALID - 2.4

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- -- INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

UNITS - 0.01 PARTS/MILLION POLLUTANT . SULPHUR DIOXIDE HYDRO SS CONCESSION 14/15 COURTRIGHT MONTH - APR 77 STATION - SW NO 14004 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 MEAN HOUR DATA INVALID
DATA INVALID
DATA INVALID
O O O
O O O
O O O . . 0000000 0 2 12 13 14 15 16 17 18 19 20 2 3 2 3 3 3 1 0 22 23 24 25 26 27 28 29 30 0 0 1

PERCENTAGE OF DATA VALID - 88.5

MEAN

PERCENTAGE OF DATA INVALID - 11.5

PERCENTAGE OF DATA UNAVAILABLE - 0.0

0.7

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

a

2. .. INDICATES DATA IS UNAVAILABLE

3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - SULPHUR DIOXIDE UNITS - 0.01 PARTS/MILLION

	PU	POLLUTANT - SOLPHON DIOXIDE																							
	ST	ATION	- \$W	NO	14004		HYDRO	SS C	ONCES	SION	14/15	COU	RTRIG	HT		MON	TH - 1	YAM	77						
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1 2 3 4 5 6 7 8 9	0 0 0 0 1 2 0 0 0	0000000000	1 0 0 0 0 1 3 3 0 0	0 0 5 3 2 0 0 0 0	0 0 0 0 1 3 0 0 0	0000120000	0 0 0 1 4 4 3 0 0	1 0 0 3 1 2 0 0 0 0	1 0 0 0 4 2 0 0 0	2000130500	2 0 0 0 1 3 3 5 0 0	2 1 1 0 0 2 0 8 0 0	4 2 0 0 0 5 0 0 0 0	3500420000	4000004	3 11 0 0 1 2 0 0 2	3 6 0 0 2 4 0 0 0	3 1 4 0 3 2 0 0 0 0	3 1 0 0 2 1 4 0	1 0 0 1 3 0 0 0	50000	100050000	000500000	1 0 0 0 0 0 0	2 2 0 0 2 2 1 1 0 0
11 12 13 14 15 16 17 18 19	0 1 6 0 0 0 0 0 0 0 0	0 0 8 0 0 0 0	0 0 0	0 0 0 0 0	000000000000000000000000000000000000000	0 0 1 0 0 0	0 0	0 0 0	3 0 3 0 0	9 0 0	9 9 0 0	5 7 0 6 4	0 3 5 15 0 **** 1 19 DATA	3 0 3 17 0 **** 2 16 INVAL	3 0 2 10 0 2 5	3 1 4 0 2 1 7	0 0 1 1 6	3 0 3 0 0 0 0 1 2	2 0 1 4 5 5	0 0 0 0 0 1	0 0 0	0 0 0	2 1 4 5 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2 1 3 3 0
21 22 23 24 25 26 27 28 29 30	0 0 0 1 2 1	0 0 0 1 1 1 1	0 0 0 1 1 1 1	0 0 0 1 2	0 0 0 1 1 1 1		000000	00000011	0 0 0 0 1 1	**** 0 0 0 0 1 1	0 0 0 0 1 1		DATA	1 NVAL 1 NVAL 1 NVAL ***** 3 10 37 4 1	ID -	1 0 11 3 1	3 0 0 3 3 1	2 0 0 4 3 1 0	2 0 0 2 3 2 0	2 0 0 0 2 1 1	0	2 0 0 0 2 1 1	1 0 0 0 0 2 1 1	1 0 0 0 1 1 1 1	1 1 5 2 1
31 MEAN	1	1	1	1	1 0	0		1	1	1	2	3		5	0	0	0	1	1	0	0	0	1	1	1.4

PERCENTAGE OF DATA VALID - 78.9 PERCENTAGE OF DATA INVALID - 20.8

PERCENTAGE OF DATA UNAVAILABLE - 0.3

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEJS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POLI	UTANT	- S	ULPH	UR DIO	CIDE							Ų	INITS	- 0.0	1 PAR	TS/MI	LLIO	N						
	STAT	10N -	SW	NO	14004	+	YDRO	ss co	NCESS	ION	14/15	COUR	TRIGH	T.		MONT	H - J	UN	77						
HOUR DAY	1,	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	, 19	20	21	22	23	24 M	EAN
1 2 3 4 5 6 7 8 9	000000000	0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	000000000000000000000000000000000000000	000000000	000000000	000000000	0 0 0 1 0 0 0 0 0	0021000000	000000000	000000000	0000100009	0 0 0 0 0 0 0 0 0 10	000030008	0000100008	0 0 0 0 0 0 0 5	000000004	000000004	0 0 0 0 1 0 0 0 0 2	0 0 0 0 0 0 0 1	0 0 0 0 1 0 0 0 0	000000000	000000000	0 0 0 0 0 0 0 0 2
11 12 13 14 15 16 17 18 19	0 0 0 0 0 0 1 0 0 0	0 0 0 0 1 0 0 0	0 0 0 0 0 0 0 0 0	0 0 0 0 1 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 4 0 0 0 0	4 0 0 0 6 0 0 0 0	7 0 0 0 14 1 0 0 0 0	0 2 1 25 1 0 0	1 0 2 1 0 0 0 0 0 0	200012523000	3 0 3 1 14 1 4 0	2 0 1 1 9 1 1 0 0 1	4 0 0 0 4 1 1 0 0 1	3 0 0 2 1 1 1 0 0	4 0 0 1 0 2 0 0 0 3	2 0 0 0 0 0 0 1	3 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	20005110000
21 22 23 24 25 26 27 28 29 30	000000000	0000000000	000000000	000000000	0 0 0 0 0 0 0 0	000000000	000000000	0 1 0 0 0 0 0 0 0 0	1 2 0 1 0 1 3 0 0 0	1 12 0 1 1 4 3 0 0	3 16 5 1 2 5 3 0 0	3 10 5 0 4 9 3 0 0	3 9 2 0 5 18 2 0	2 3 2 0 2 20 2 0 0	3 5 0 3 5 3 0 0	8 0 3 0 8 5 4 1 0	4 0 1 0 5 2 4 1 0 0	11 0 1 0 2 1 4 1 0	1 0 1 0 0 1 2 1 0	1 0 2 0 0 1 2 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0	000000	0 0 0 0 0 1 0 0 0	2 2 1 0 1 3 2 0 0 0 0
MEAN	0	0	0	0	0	0	0	0	0	1	2	2	3	2	2	2	1	1	1	1	0	0	0	0	0.8

PERCENTAGE OF DATA VALID - 99.9 PERCENTAGE OF DATA INVALID - 0.1 PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. "***** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNITS - D.O1 PARTS/MILLION

	STA	STATION - SW NO 140			14004	н	YDRO	ss co	NCESS	ION	14/15	COU	RTRIGH	T		MONT	TH - A	LUG	77						
HOUR	1	2	3	4	5	6	7	В	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 M	AN
1 2 3	0	0	0 0 0	0	0	1 0 0	0 0 0	0	0 0 0	1 0 0	0	1 0 0	3 1 0	4 1 0	6 1 0	2 0 1	3 2 0	1 0 0	2 0 0	0	0	0 0 0	0 0 0	0	1 0 0
5 6 7 8 9	00000	00000	000000	000000	0 0 0	000000	00000	00000	00000	0 0 0 0 0	0 0 0 0	0 2 0 0 0	0 4 0 0 0 0	000000	0 1 0 0 0 0	00000	0 0 0 0 0	000000	00000	000000	00000	00000	00000	0 0 0 0	0 0 0 0
11 12 13 14 15 16 17 18 19 20	0000000000	000000000	000000000	00000000	0 0 0 0 0 0 0	0000000000	0 0 0 0 0 0 0 0	0000000000	0 0 1 0 0 0 0 0 0 0	0 0 2 1 1 0 3 3 0	0 0 1 1 2 0 4 1 0 0	0 0 1 7 16 0 5	0 0 1 4 12 0 2 1 0	0 0 2 4 3 0 1 2 0 0	0 0 1 8 2 0 3 0 0	4 0 1 10 5 0 0 0	3 0 1 8 2 0 0 0 0	0 1 1 0 0 0 0 0 0 0 0	0 1 1 0 0 0 8 0 0 0	000000000	000000000	1 0 1 0 0 0 0 0 0 0	0000000000	000000000	0 0 1 2 2 0 1 0 0 0
21 22 23 24 25 26 27 28 29 30	000001000	0 0 1 0 0 1 0 1 0	000001000	000000000000000000000000000000000000000	0 0 0 0 0 1 1 0 0	0 0 0 0 0 0 1	000000000	0 0 1 1 0 0 0	0 0 0 0 0 0 0 0	0 2 1 0 1 1 1 0 0	0 5 0 4 5 1 0 0	0 2 3 0 10 3 1 0	1 1 17 3 0 0	0 0 1 1 5 3 0 0	0 0 1 4 2 3 0 1 0 1	0017220001	0002220011	0 1 0 1 1 2 1 0 1	0 1 1 0 1 0 1 0	0 1 0 0 2 2 1 0 1 0	00000000	00000000	0 0 0 0 1 1 0 0 0	0 0 0 0 1 1 0 1 1	0 1 0 1 2 1 1 0 0 0
31 Mean	0	0	0	0	0	0	0	1	0	0	0	0	1 2	1	1	1	1	1	1	1	1	1	0	1 0	0.5

PERCENTAGE OF DATA VALID - 99.7

PERCENTAGE OF DATA INVALID - 0.3

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. .. INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

UNITS - 0.01 PARTS/MILLION POLLUTANT - SULPHUR DIOXIDE STATION - SW NO 14004 HYDRO SS CONCESSION 14/15 COURTRIGHT MONTH - JUL 77 18 19 HOUR 2 3 4 5 6 7 8 9 12 13 14 15 16 17 18 19 20 0 0 3 1 0000-00000 0000-00000 5 1 22 23 24 25 26 27 28 29 30 MEAN

PERCENTAGE OF DATA VALID - 97.7

PERCENTAGE OF DATA INVALID - 2.3

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. .- INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNITS - 0.01 PARTS/MILLION

	ST	ATION	- SW	NO	14004	i)	HYDRO	SS (ONCES	510N	14/15	COL	RTRIC	нт		MON	TH -	SEP	77						
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	2	1	1	1	1	1	1
2	0	0	ō	0	1	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0
3	0	1	0	0	0	1	0	0	0	1	1	1	3	2	2	1	0	3	1	0	1	1	1	1	1
4	0	0	0	0	0	0	0	0	0	0	0	0	0	3	2	1	3	3	1	1	1	2	1	1	1
5	1	1	- 1	1	1	1	1	0	0	1	0	0	1	1	2	1	1	1	1	0	0	0	1	0	1
6	0	0	0	0	1	0	0	0	1	1	2	5	2	13	8	- 1	3	1	0	0	0	0	2	0	2
7	0	0	0	0	0	1	1	0	0	0	0	0	1	1	3	4	2	3	1	1	1	1	0	0	1
8	2	1	1	0	0	0	0	1	0	0	0	2	1	1	1	1	1	1	1	2	1	1	1	1	1
9	1	1	1	2	1	1	1	1		****	****	****	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1.1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	. 0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	****				****	****	****	••••	****	• • • •	• • • •	• • • •	****	*****
22													DATA												
23	****	****	****		****			****		****	****	0	0	0	0	0	0	0	0	0	0	0	0	0	*****
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	****	****	****	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	1	2	3	1	1	0	0	1	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0.3

PERCENTAGE OF DATA VALID - 92.2 PERCENTAGE OF DATA INVALID - 7.8

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. *- INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	PC	LLUTAN	T - :	SULPH	HUR D	OXIDE								UNITS	. 0.	01 PA	RTS/MI	LLIO	N						
	ST	ATION	- SW	NO	14004	i	HYDRO	55	CONCES	SION	14/15	cou	JRTRIC	ЭНТ		MON	тн - о	ст	77						
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1 2 3 4 5 6 7 8 9	0 0 0 0	0 0 0 0	0 0 0 0	0000	00000	00000	00000	0000	0 0 0	00000	00000		DATA	O O O O O O O O O O O O O O O O O O O	ID -	00000	0 0 0 0 0	0 0 0 0 0	00000			0000	0000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0
11 12 13 14 15 16 17 18	0 0 0 0 0 0	0 0 0 0 0	0000002	0 0 0 0 0 3	0 0 0 0 0 1	1 0 0 0 0 0	1 0 0 0 0	1 0 0 0 0 0 0	0	1 0 3 0 0 0 3	1 0 4 0 0 0 0 4	- D	ATA UP		ABLE		0 1 3 2 0 0 2	0 1 0 0 0 0 1	0 1 0 0 0 0 1	0 1 0 0 0 0 1	0 0 0 0 0 0	0 1 0 0 0 0 0 0 0	0 0 0 0	000000	0 0 2 0 0 0 2
21 22 23 24 25 26 27 28 29 30	0 **** 2 1 1 1 0 0	0 **** * 2 1 1 1 0 0	0 *** 2 1 1 1 0 0	0 **** 1 1 1 0 0	0 1 2 1 0 0	1 1 0 0 0	0 **** 1 1 0 0	0 **** 1 1 1 0 0	1 1 0 0	1 1 1 0 0	0 **** 1 1 0 0 0	0 2 3	0	1 NVAL 7 3 5 2 5 0	0	0 6 3 4 3 0 0	0 4 3 3 3 2 0	0 3 3 3 2 1 0	0 2 2 3 2 1 0	2 2 2 1 0 0	2 2 1 1 0 0	2 2 2 1 0 0 0	2 2 2 1 1 0 0	2 1 1 1 1 0 0	2 2 1 1 0
31 MEAN	0	0	0	0	0	0	0	0	-	0	1	1	1	1 2	1 2	0	1	1	0	0	0	0	0	0	0.6

PERCENTAGE OF DATA VALID - 66.7 PERCENTAGE OF DATA INVALID - 20.4

PERCENTAGE OF DATA UNAVAILABLE - 12.9

- 2. "." INDICATES DATA IS UNAVAILABLE
- 3. ******* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNITS - 0.01 PARTS/MILLION

	STA	TION	- sw	NO	14004		HYDRO	SS C	ONCESS	ION	14/15	COL	JRTRIC	НТ		MON	TH - 1	VOV	77						
HOUR DAY	1	2	3	4	5	6	7	8	9	10	1.1	12	13	14	15	16	17	18	19	20	21	22	23	24 ME	AN
1	0	0	0	0	0	0	0	0	0	0	0	0	1	. 1	1	1	0	0	0	0	0	0	0	0	0
2	ō	0	0	0	0	0	0	0	0	1	1		0.00	****	****		2	2	2	2	2	2	2	2	1
3	1	1	1	2	2	2	2	2	2	3	3	4	3	3	3	3	2	2	2	2	2	2	2	2	2
4	2	2	2	2	2	2	2	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	٥	1
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0			0	0	0	0	0	0	0	0	0
8	0	O	0	0	0	0	0	0	0	0	0	****	****	0	1	1	1	1	1	1	2	2	2	2	- 1
9	1	1	1	1	2	2	2	2	2	2	2	2	1	1	2		2	2	2	2	2	2	2	2	2
10	1	1	1	- 1	1	1	1	2	2 2	2	2	****	0	0	0	0	0	0	0	0	0	0	0	0	1
11	0	1	2	2	1	0	2	2	1	1	2	1	• • • •	0	0	0	0	1	1	1	1	1	2	1	1
12	1	1	2	2	2	1	1	0	0	0	0	0	0	0	0		1	1	0	0	1	1	1	1	1
13	i	o	ō	ō	0	0	1	0	0	0	0	. 0	0	0	0		0	0	0	0	0	0	0	0	0
14	o	1	1	1	1	1	0	1	0	0	1	- 1	1	0	0		1	1	0	1	1	1	0	0	- 1
15	0	0	0	0	0	0	0	0	0	0	0	0		0	0	0	1	0	0	. 0	0	1	0	0	0
16	ō	ō	ŏ	ō	0	0	0	0	0	0	0	1	2	3	4	4	4	4	5	5	5	6	7	7	2
17	5	6	5	5	5	6	6	5	5	5	4	4	4	4		0	1	1	1	1	1	1	1	1	3
18	1	1	ĩ	1	1	1	1	1	1	1	- 1	1	0	0	0	0	0	0	0	0	0	0	0	0	1
18 19	ò	ó	o	0	0	o	0	0	0	0	0	0	0	0	0	0	0 5	0	0	0	0	0	0	5	0
20	ŏ	ō	ŏ	ō	0	0	0	2	2	3	3	4	4	4	4	5	5	5	5	5	5	5	5	5	3
21	5	5	5	5	5	5	5	5	5 3	4	4	4	3	5			5 2	4	4	4	4	3	3	3	4
22	3	3	3	3	2	2	2	3	3	3		****	****	****	2		2	2	2	2	2	2	2	2	2
23	2	2	2	2	2	2	2	2	2	2	2	2	2	2			2	2	2	2	2	2	2	2	2
24 25 26	2	2	2	2	2	2	2	2	2	2	2	2	2	2			2	2	2	2	2	2	2	2	2
25	2	2	2	2	2	2	2	2	2	2		2		2	2		2	2	2 2	2	2	4	6	10	3
26	8	12	14	13	13	14	16	13	5	2		6		8		6	3	2	2	2	2	2	2	2	7
27	1	1	2	2	2	2	2	2	2	2		2	2	2	2		2	2	2	2	2	2	2	2	2
28	2	2	2	2		2 2	2	2	2	2		2	2	2	2		2	2	2	0	2	2	2	2	2
29	2	2	2	2		2	2	2	2	3					****	_	0	0	0	0	0	0	0	0	1
30	ō	ō	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	1	2	2	2	2	2	2	2	1	1	1	2	1	1	1	1	1	1	1	1		1	2	2	1.5

PERCENTAGE OF DATA VALID - 97.1 PERCENTAGE OF DATA INVALID - 2.6

PERCENTAGE OF DATA UNAVAILABLE - 0.3

NOTES 1. "****" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ******* INDICATES LEJS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POLI	UTANT	- 5	ULPH	UR DIO	XIDE							u	NITS	- 0.0	01 PAF	RTS/M)	LLION	4						
	STAT	ION -	SW	NO	14004	+	HYDRO	ss co	NCESS	ION	14/15	COUR	TRIGH	IT		MONT	TH - C	DEC	77						
HOUR DAY	-1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 M	EAN
1 2 3 4 5 6 7 8 9	000000000	000000000000000000000000000000000000000	0000000000	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	000000700	000000600	00000000000	0 0 0 0 1 0 1 0 0	00000000	0 0 1 0 0 0 0 0 0 0	0 0 1 0 0 5 1 0 0 0	0003072000	0 0 2 5 0 5 2 0 0	0 0 7 4 0 0 1 1 0 0 0	0 0 0 1 0 0 0 0	000500000	000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	00010100
11 12 13 14 15 16 17 18 19	0000000000	000000000	0000000000	0000000000	0000000000	000000000	000000000	000000000	000000000	000000000	00000000	0 0 0	0000	0000000000	000000000000000000000000000000000000000	000000000	000000000	000000000	00000000	00000000	000000000	000000000	000000000	000000000	000000000000000000000000000000000000000
21 22 23 24 25 26 27 28 29 30	0 0 0 0 0 0 0 0 0	0000000000	1000000000	000000000	0 0 0 0 0 0 0 0 0	000000000	0000000000	0000000000	0 0 0 0 0 0 0	000000000	000000000	00000000	000000000	000000000	000000000	000000000	000000000	000000000	0 1 0 0 0 0 0 0 0 0	000000000	0000000000	000000000	000000000	000000000000000000000000000000000000000	000000000000000000000000000000000000000
31 MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 0.1

PERCENTAGE OF DATA VALID - 99.3 PERCENTAGE OF DATA INVALID - 0.7

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1977

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1977

POLLUTANT - SULPHUR DIOXIDE

89.6

0.0 0.0

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - SW	NO 14004 HYDRO 55	CONCESSION 14/15 COURTRIGHT		
MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	19	0.9	2	4
FEB	27	1.1	5	9
MAR	30	0.6	4	29
APR	26	0.7	3	21
MAY	24	1.4	5	37
JUN	30	0.8	5	25
JUL	30	0.4	2	6
AUG	31	0.5	2	17
SEP	27	0.3	2	13
OCT	20	0.6	2	11
NOV	30	1.5	7	16
DEC	31	0.1	1	7
YEAR	325	0.7	7	37

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

UNITS - 0.01 PARTS/MILLION

0.7

6.8

4.7

HYDRO SS CONCESSION 14/15 COURTRIGHT STATION - SW NO 14004 MONTH 00 TO 04 05 TO 10 11 TO 14 15 TO 25 26 TO 39 40 &OVER TOTAL JAN FEB MAR MAY В JUL AUG O SEP OCT NOV DEC FREQUENCY DISTRIBUTION BY PERCENTILES CONCENTRATIONS
FREQUENCY DISTRIBUTION, PERCENT
50 70 90 95 PERCENT OF DATA VALID ARITH MEAN MAX MIN

0.0

0.2 1.7 2.8

UNITS - 0.01 PARTS/MILLION

		200		1000	-0.1107000	200								OMI	2 - 0	. 01 P	ARTS/	WILLI)N							
	S	OITAT	N - :	SW I	140	16	OPPO	SITE	LAMBTO	N GS	HWY40	cou	RTRIGH	łT.		MO	NTH -	JAN	77							
DAY	1	2	1	3	4	5 (5 7	•	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
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4	2			1	1	1	1 1	1	- 1	1	•	Ö	ó			-		- 3	1	- 1	2	1	2	3		2
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6	0			כ) 0			0		1		3		3	3		10	0	0	0	0	0		0
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8	1	2		2	2	3 3	1	2	2	4	5	5		4	7	à		5	3		2	1	- 1	1		2
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17	3	3		2	2	2 3	3	2	2	0	2	2	1	0	ó	1	2	2	3	2 2	2	3	2	3 2		2
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23	0			•••	•) (****	****		1	0		****			0	1	4	2	ĭ	2	1	ŏ	·		:
25	0				. 10	,	****	****			****		****	• • • •					••••		••••		• • • •			
26									3.2.				DATA		LID -										7.1	
27	5		5		5	5 4			****		••••	1	1	2	7	9		11	5	4	3	3	4	5		
28	3	4	4			3 3	- 1	4	4	4	4	3	3	2	2	1	2	2	3 6 4	3	3	4	4	3	04	4
28 29	6		6			5 5		5 5	3 5	2	3	4	4	4	4	5	6	6	6	6	6	6	6	6	0	4
30	4	ă	Ä		4	, ,	3	5	5	5	5	4	4 2	3	3	2	3	2 6 3	4	4	4	4	4	4		4
31	4	-	- 1				-	•	4	155.54	-	3	_	2	2	2	2	3	4	4	5	5	5	4		4
		•	9		4 4	• 3			3	3	2	2	2	••••	2	2	2	2	2	2	2	2	2	2	-	3
MEAN	2	2	2		2 :	2	2	2	2	2	2	2	2	2	2	2	2	3	3	2	3	2	2	2	2.	2

PERCENTAGE OF DATA VALID - 89.5 PERCENTAGE OF DATA INVALID - 9.9

PERCENTAGE OF DATA UNAVAILABLE - 0.5

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEJS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POL	LUTANT	· 5	ULPH	UR DIOX	IDE						U	NITS	- 0.0	01 PAI	RTS/M	11110	N						
	STA	TION -	SW	NO	14016		OPPOSITE	LAMBTON	GS	HWY40	COUR					rH - 1		77						
HOUR	1	2	3	4	5	6		9	10		12		14	15	16	17	18	19	20	21	22	23	24 1	EAN
1 2	2	2 2	3	3	3	3	3	4	4	4	3	2	2	1	1	,	1	1	1	2	1		2	2
3 4	6 2	6	6	6	5	5	4 4	4	3 2	2 2	2	1	3	1	1	4	4	5	5	5	4 2	5 2	5	3
5 6	2	2	2	3	3 4	4	4	4	4	4 3	4 2	4 2	4 2	1 4 2	4	4	3	4	5	5	2	2	3	2
8	1	2	2	3	3 2	2	2	4	4	3	3	2 3	2 3	1 3	1 3	1 3	1	1	2	1	1	1 6	2 9	3
10	3	3	3	8 2	2	2	5 5	6	2	4 2	4	4	3	3	2	2 2	2	5 2 2	2 2	2 2	2 2	2	2 2	4 2
11	2	2	2	2	2	2	2 2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	2
13	1	1	2	1	1	1	1 1	į	1	1	į	1 2	0	0	i	1	1	!	1	1	1	1	1	1
15 16 17	5	5	5	3 6 2	6	6	6 6		5	4	3	1 4	3	2 3	2 4	2	3	4	5	5	4	4	2 5 2	3
18 19	1	1	2	1 2	1 4	1 2	1 1	1 1	1	1	2	2	3	2	3	3	3	2	1 2	0	0	0	0	1 2
20	1 2	1	1	1	1	1	2 1	i	2	i	i	i	1	3	3	3	3	2	1	2	2	2	1 2	1 2
22 23	1	1	1	1	1 2	0	2 3	1 2	1	2	1	1	0	0	0	1	1	0	1	1	1	1	1	1
24 25 26	1	2	2	2	2	1	1 1	1	1	1	1	8	16	1 3 0	1	1	1	1	2	2	1	2 1	2	2 2
26 27 28	1	!	1	!	2		1 1	1 2	3	1 2	1	į	i	1	1	1	1		2	2	1	1	2	!
MEAN	2	2	2	2	2	1	1 1	1 2	1 2	1 2	-	1	1	1	1	1	i	ĵ	i	i	i	i	i	i
			-	=	_	-		~	4	4	2	2	2	1	2	2	2	2	2	2	2	2	2	2.0

PERCENTAGE OF DATA VALID - 98.4 PERCENTAGE OF DATA INVALID - 0.7

PERCENTAGE OF DATA UNAVAILABLE - 0.9

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEJS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

	STAT	TION	- SW	NO	14016	0	PPOSI	TE LA	AMBTON	GS	HWY40	COUR	TRIGH	T		MON	тн -	MAR	77						
HOUR	1	2	3	4	5	6	7	В	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1 2 3 4 5 6 7 8 9	2 2 1 1 0 1 0 0 1 2	2 2 1 1 0 1 1 1 1 2	2 2 1 1 0 1 - 1 1 2	2 1 1 1 0 1	1 1 0 0 1 1 1 1 1 2	2 1 1 0 0 0 1 1 1 1 1	1 1 0 0 1 1 1 1 1 1	1 1 0 0 1 1 2 1	1 1 2 0 1 1 1 1 2 1	1 1 2 0 1 1 1 2 2	1 1 2 0 1 1 1 2 2 2	1 1 4 0 0 1 1 1 2 2 3	1 1 6 0 0 1 1 1 1 3	0 0 0 1 1 1 1	0 0 1 1 1 2 1 3	0 0 1 0 2 1 4	0 0 1 0 0 3 1 4	003010002112	0 0 2 0 1 0 0 1 1 2	1 1 2 0 1 1 0 0 2 2	1 0 0 1 0 1 2	1 2 1 0 1 1 0 1 2	1 1 0 1 1 1 2	1 1 0 1 1 0 1 2	0001111122
11 12 13 14 15 16 17 18 19	3 4 2 2 0 3 2 1 1 4	3 5 2 2 3 2 1 1 3	2 2 2 3 2 1 2 2	3 4 2 2 2 3 2 1 2 3	3 4 2 2 2 3 2 1 2 2	3 5 2 2 2 3 2 1 2	3 5 2 2 2 3 2 1 2 2	3 5 2 2 2 3 2 1 2 2	5 2 2 3 2 1 1 1	5 5 2 2 2 3 1 1	7 4 2 2 1 3 1 1	6 2 2 3 3 1 1 0	6 2 4 1 3 1 0 0	4 2 4 1 7 3 2 0 0	2 4 6 5 3 16 0 0	2 6 1 2 17 1 0 2	2 2 5 1 2 1 5 1 0 2	2 2 3 1 2 2 3 1 1 2	2 2 2 1 2 2 1 1 1	2 2 2 2 1 1 3 1	3 3 1 2 2 1 1 2 1	3 2 2 1 2 2 1 1 2 1	4 2 2 1 2 2 1 1 2 1	3 2 2 1 2 2 1 1 2 1	3 3 2 2 3 3 1
21 22 23 24 25 26 27 28 29	1 1 2 1 1 3 0 0 0	1 1 2 1 0 0	2 1 1 1 0 0 0 0	1 1 1 1 0 0 0 0 0 0 0	1 1 1 1 1 2 0 0 0 0	1 1 1 1 0 0 0	1 1 1 2 0 0 0	1 2 2 1 1 2 2 0 0 0	2 3 1 2 6 2 2 0 1	2 1 1 8 1 4 0 1	2 1 1 2 8 1 3 0	2 1 0 1 7 7 3 0	2 1 1 7 9 2	2 1 0 6 3 3	3 2 1 0 4 4 3 0 0 0	15 4 2 0	7 1 0 0 13 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0	3 1 1 16 1 1 0	2 2 0 0 0	1 2 1 6 1 1 0 0 0	1 5 1 0 0 0	1 2 1 2 1 2 1 0 0	1 1 1 1 3 1 0 0 0	1 1 1 2 0 0	2 1 1 5 2 2 0 0
31 MEAN	1	0	1	1	1	1	0	1	0	2	2	2	0 2	2	1 2	1 3	1	1	1	1	1	1	1	1	1.6

PERCENTAGE OF DATA VALID - 96.5 PERCENTAGE OF DATA INVALID - 2.7

PERCENTAGE OF DATA UNAVAILABLE - 0.8

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. *- INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT . AIR RESORCES BRANCH

	POLI	UTANT	. \$	ULPH	UR DIO	XIDE								UNITS	· o.	01 PA	RTS/M	ILLIO	N						
	STAT	TION -	SW	NO	14016	0	PPOSI	E L	AMBTON	GS	HWY40	COUR	TRIGH	T		MON	TH - 1	APR	77						
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	. 19	20	21	22	23	24 1	MEAN
1 2 3 4 5	1 2 1 0 1	1 2 1 0 1	0 1 2 1 0	0 1 2 1 0 1	0 0 2 1 0 1	0 0 2 1 0	0 0 2 1 0 1	1 0 2 1 1 1	0 0 2 1	0 0 2 1 1 1	0 0 2 0 1 1	1 0 6 1 0 1	0 7 1 1	0 6 1	2 0 0 1	1 9 0 0	0 0 0	00000	2 2 0 0 0 0 0	0 1 0 0 0 0	0 1 0 0 1 1	0 0 0 0 0 0 0 0	1 2 1 0 1 1 0	1 0 1 0 0	1 2 1 1 1 1 1
7 8 9 10	1 0 0	0 0	0 0	0 0	0 0	1 0 0	2 1 0 0	0 1	0 .	4	3		9	5	3	3	0	0 0	1 0 1	1	0 0 0	0	000	0	0 2
11 12 13 14 15 16 17 18 19	0 0 2 2 2 1 2 2 1	0 0 2 2 2 2 1 2 2 1	0 0 2 2 2 2 1 2 1 0	0022221320	4 2 2 1 7	0023221311	0 2 3 2 2 2 1 0	0 2 4 2 2 2 2 1 0	0028222220	3 16 3 3 2 3 3	21 21 5	25 7 2 4 4 2	1 12 9 2 10 2 2	5 8 2 5 7 6	14	2 13 8 2 3	2 8 16 2 4 8 3	2 4 3 13 2 3 5 3	2 5 2 2 2 3 4 3 5	2 3 2 2 3 4 4 3 4	3 2 2 2 3 3 3 2	5 2 2 3 3 2 2	10 2 2 1 3 3 2 3	2 5 2 2 1 2 2 1 2	3 7 4 2 3 4 2
21 22 23 24 25 26 27 28 29 30	3 2 •	1 3 0 0 0	2 1 1 2 0 1 1 1 1 1 1 1	1 1 0 1 0 2 1 1	0	2 0 2 1 0 0 1 1 1 0	1 0 0 2 0 0 1 1 0	0 0 1 0 2 2 1	000000000000000000000000000000000000000	1 2 0 8 0 0 1 2 2	90022	3 3 0 9 2 1 2 3 0	3 4 1 7 4 1 4 3 0 0	3 4 1 10 3 2 1 3 0	3 6 0 3 0	4 8 0 3	1 3 3 6 5 3 1 4 6 1	2 4 1 2 4 0 1 4 1 1	2 5 0 4 0 0 3 0	0	2 6 2 4 2 0 1 1 1 1 1	1 5 2 2 2 0 1 1 1 1	1 7 2 1 0 0 4 1 2 1	173200	2315511112211
MEAN	1	1	1	1	1	1	1	1	1	2	2	3	3	3	3	4	3	2	2	2	2	1	2	1	1.8

PERCENTAGE OF DATA VALID - 94.3 PERCENTAGE OF DATA INVALID - 4.3

PERCENTAGE OF DATA UNAVAILABLE - 1.4

- 2. -- INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNITS - 0.01 PARTS/MILLION

					19.11										-										
	ST	ATION	- SW	NO	14016	Ë	OPPOS	ITE L	AMBTO	N GS	HWY40	COUR	TRIGH	T		MON	iTH -	MAY	77						
HOUR	1	2	3	4	. 5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	2	2	1	2	3	2	1	0	1	2	4	3	5	3	2	2	2	1	0	1	1	2
2	1	2	3	4	4	2	1	5	4	4	8	-	•	4	3	2	1	0	0	1	0	0	- 1	1	2
3	1	1	1	3	2	1	1	1	0	0	**	-	0	0	1	1	3	3	1	1	2	1	1	1	1
4	2	1	- 1	1	1	2	1	2	2		2	2	2	2	1	2	2	2		3	3	2	2	2	2
5	2	1	1	1	1	1	2	1	1	2	2	3	2	1	1	0	0	0	0	0	0	0	0	0	1
6	0	1	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	6	5	1
7	6	5	4	4	5	6	3	1	5	5	5	4	5	4	4	5	3	2	1	0	0	0	1	1	3
8	1	1	1	1	1	1	1	1		0	0	0	0	1	2	1	1	1	- 1	0	1	2	2	3	1
9	2	2	3	3	3	2	2	2	2	2	1	1	1	1	1	2	1	1	,	0	0	0	0	0	1
10	1	1	0	0	0	0	0	0	0	0	1	1	1	2	2	3	2	2	5	••••	0	0	1	0	1
11	1	1	0	0	0	0	1	1		••••	****	1	- 1	• • • •	1	3	0	0	• • • •	0	••••	0	0	0	1
12	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	2	2	2	1
13	1	2	2	2	2	2	2	2	3	1	2	6	10	5	5	2	2	7	8	7	3	8	7	5	4
14	3	2	4	5	2	2	2	1	2	2	3	3	4	7	8	13	3	2	4	2	5	5	4	3	4
15	2	2	2	2	2	2	2	2	1	2	1	0	0	0	1	1	2	1	1	1	2	1	1	1	1
16	1	1	1	2	1	1	1	1	1	4	5	9	4	4	19	21	9	3	5	4	3	2	2	3	4
17	2	2	1	2	2	2	3	3	3	3	3	3	3	1				****		****					*****
18	••••	••••	••••	••••	••••			••••				1	1	1	2	4	4	8	7	5	3	2	3	3	
19	2	2	2	2	1	1	2	3	7	17	15	16	7	16	19	14	20	10	7	4	3	2	2	2	7
20	2	2	2	2	1	1	1	1	4	5	5	4	3	4	4	4	2	3	2	2	2	2	2	2	3
21	2	2	2	1	1		2	2	4	4		3	6	5	3	2	3	8	5	2		3	3	3	3
22	2	2	2	2		2	2	2	3	2	3	3	2	2	2	2	3	3	3	3		2	2	2	2
23	2	2	2	2		2	2	2	3	3	4	4	4	4	6	5	3	3	3	2	3	3	2	1	3
24	1	2	2	2		2	1	2	2		4	5	3	5	1	0	1	1	1	1	1	0	0	0	2
25	0	0	0	0		0	0	0	1	4		16	1.1				9	8	4	5		5	6	1	4
26	1	0	0	2	1	1	2	2	1	0		6	10	3	4	5	9 5	2	4	0	0	0	1	1	2
27 28	1	0	0	0		0		1	2	1	4	10	7	4	11	6	5	3	•	1	0	0	0	0	2
28	0	0	0	0		0	0	0	0	1	1	2	2	2	7	4		2	1	0	- 1	2	2	0	1
29	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0		0	0	0		0	0	0	0
30	0	0	0	0	0	0	0	0	****	••••	3	7	11	15	10	13	14	18	. 8	2	2	2	2	2	5
31	2	2	2	1	2	1	2	2	2	5	2	2	2	5	4	4	5	3	3	2	2	2	2	2	3
MEAN	1	1	1	2	1	1	1	1	2	3	3	4	3	4	4	4	4	3	3	2	2	2	2	2	2.3

PERCENTAGE OF DATA VALID - 94.9 PERCENTAGE OF DATA INVALID - 4.3

PERCENTAGE OF DATA UNAVAILABLE - 0.8

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ******* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POL	LUTANT	- 5	ULPH	IUR DI	OXID	E					U	NITS	- 0.	01 PA	RTS/M	ILLIO	N						
	STA	TION -	SW	NO	14016	1	OPPOSITE	LAMBT	N GS	HWY40	COUR	TRIGHT			MON	тн - ,	JUN	77						
HOUR DAY	1	2	3	4	5	6	7	8 9	10	11	12	13	14	15	16	17	18	. 19	20	21	22	23	24 1	MEAN
1 2	2	2	2	2	2	2	2 2	2 2 2	2		2	2	1 2	2	2	2	2 6	2	2	2 2	2 2	2 2	2	2
3 4	2	2	2	2 12	2 2 6	2	2	3 2 2 3 3 7	3		2 3 11	5 2 11	3 9	10	2	3 3 5	3	3	4	3	3	3	3	3
6 7	1 2	1 2	1	1 2	1 2	1	1 3	2 1 2	1	1	2 2	3	3	17 4 3	12 3 3	3	3	2	1 2	1	2	2	2	2 2
8 9 10	1 3	4 3	2	1 5 2	3 2	4 2	3	2 I 3 5	1		3	3	1	5	1 6	9	10	1 12	10	5	1 7	1 4	3	5
11	2	1	3	1	1	1		22	1	2	2	1	3	2	3	3	4	5	4	1	1	1 2	2	3
12	8	13	7	3	3	1 2	2	3 2 2 2	5	4	5 14	8	10	9	3	4	3	3	4 7	4	3	3	4	3
14 15 16 17		3	4	3	3 3	3	3 1	 7 13 1 3	22		5	5 7 0	6 2 2	5 2 2	7	10	6 1 0	!	10	12	6	0	1	5
18	1	2	2	1	1	1	0	1 1 0 1	1	ĩ	0	0	0	Ö	0	0	0	1	î	1	1	1	1	1
19 20	ò	6	ì	0	0	1	0	0 0	C		0	0	1	4	2	2	6	5	3	0	0	0	0	1
21	0	0	000	0	0	0	1	2 5 6	10		3	2 2 2	3	1 2	!	••••	0	0	0	0	0	0	0	1 2
23 24 25 26	0	0	0	0	0			1 2	2	6	2 2 3	2 3	2	10 1 5	1	2	2 2	4	3	2 5	2	2 2	2	1 4
26 27 28	2 2 2	2	2	2 2	2 2	2		2 13 3 3		4	6	8	8	5 3 0	6 3 0	6 3 0	4 3 0	3	3	3	3	2	2	3
29 30	1	0	1	1	1	1	1	0 1	1	1 2	1 2	1	i	0	3	4	0	1 2	0	1 2	i	1	1	1
MEAN	2	2	2	2	1	2	2	2 3		3	3	3	3	4	3	3	3	3	3	2	2	2	2	2.4

PERCENTAGE OF DATA VALID - 97.5 PERCENTAGE OF DATA INVALID - 1.1

PERCENTAGE OF DATA UNAVAILABLE - 1.4

- 2. ... INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNITS - 0.01 PARTS/MILLION

	ST	MOITA	- SW	NO:	14016		OPPOS	ITE L	AMBTO	N GS	HWY40	COUR	TRIGH	T		MON	TH -	JUL	77						
											70.0										21	22	23	24	MEAN
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
DAY																									
		_					1	0		0	0	0	1	0	0	0	0	1	0	1		*	1	0	1
1	1	0	1	1.	0	1		0	0		0	0	Ó	5	7	ĭ	o	0	ő	- 1	- 1	ò	1	ō	1
2	0	0		0	0	1	0	0	0		2	2	1	2	- 1		1	2	3	- 4	- 2		2	1	1
3	0	0	0	0	.0	1	.0	1	- 1	- 4	- 1	ő	2	2	- 1	0		- 7	2	+	1	1	- 1	1	1
4		2	2	1	1	- 1	- 1	- 3	1	5	5	8	11	- 7	ò	1	1	i	3	5	5	4	4	3	3
5	1	1		3	3	2	3	3	3	3	3			3	2	2	2	2	2	3	3	4	4	4	3
7	3	3	3			3	4	- 3	3	3	4	3	3	3	3	3	3	3	4	7	6	5	5	5	4
8	5	4	4	4	4					****	5	5	4	3	5	13	4	3	2	1	1	2	2	1	4
9	1	4	4	- 4	7	2	2	5	4	5	6	5	4	5	4	3	4	2	2	2	1	1	1	1	3
10		****	- 1	- 1	- 1	- 1	- 1	1	0	ő	1	ō	1	3	1	2	1	1	1	1	i	1	1	- 1	1
10			1	:#:	3.5											_									
11	1		1	- 5	1	1	1	1	1	1	1	3	4	3	2	3	****	****	1	1	1	2	2	1	2
1.2	i		÷		1	1	1	1	1	- 1	1	1	1	1	1	1	1	2	1	1	2	1	1	2	1
13	i	i	- ;	- 1	1	2	1	1	- 1	0	0	0	0	0	0	0	1	1	****	0	0	0	0	0	1
14	0	ó	ò	0	0	0	0	0	1	0	0		2	2	2	2	3	3	2	2	0	0		1	1
15	1	2	1	- 1	0	ō		-	3	0	0	0	0	0	-	-		****	3	4	3	1	1	1	1
16	1	1	ó	- 1	1	1	1	1	1	0	1	1	0	0	0	0	1	1	1	2		1:	1	1	1
17	1	1	1	- 1	0	1	0	1	0	0	0	1	0	0	1	0	0	- 1	1	1	1	1	1	1	- 1
18	1	1	- 1	1	1	1	1	1	1		1		4	2	0	1	1	1	1.	1	1	1	1	1	1
19	1	1	1	2	1	1	1	- 1	1	1	1	1	1	1	0	0	1	0	1	1	1	2	2	1	1
20	2	2	- 1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	- 1	2	2	2	2	2	1
																						1			
21	2	2	2	2	2	2	2	2	3	4	2	2	4	5	4	3	2			2	2	1	1	1	2
22	0	1	0	0	0	0	0	0	0	0	0	2	2	2	2	3	3			0	0	0	0	٥	1
23	0	0	0	0	0	0	0	0	1	1	0	0	0	1	2	2	2			1	2	1		- 1	1
24	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	2	2	2	- 1	1	- 1		- 1	
25	1	1	1.	1	-1	1	1	1	1	2	1	2	2	2	2	2	- 1	1	1	1	1	0			
26	1	1	1.	1	- 1	1	1	1	1	1	-	****	****	****	••••	1	1	0	0	- 5			0	0	
27		****		****	****		****	****	****	****	****	****	****	2	5	****	****	****	0	0	1	0	1		
28	0	0	0	0	0	0		0	0	0	0	2	0	1	4			- 1	****	2	2	2	o	ó	ó
29	1	0	0	0	0			0	0	0	0	1	1	1	- 1	1	1	4	2	0	0	0	ŏ	ŏ	2
30	0	0	0	0	0	0	0	1	2	2	5	2	2	2	4	5	5	4	2	1	- 1	0	U	U	2
190.00	-				-			- 4								0	0		- 1	0					
31	0	0	0	0	0	0	0	1	1	1	1	2	1	1	0	0	0	. 1	. 1	0	1	,			
		1.0				,	1	- 1	1			2	2	2	2	2	2	2	- 1	2	2		1	1	1.4
MEAN	1	1	1	1	1		1	1	1	- 1		2	- 2	~	2	- 4	*	-		~	-				*

PERCENTAGE OF DATA VALID - 92.3 PERCENTAGE OF DATA INVALID - 5.4

PERCENTAGE OF DATA UNAVAILABLE - 2.3

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. *- * INDICATES DATA IS UNAVAILABLE
- 3. ******* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POLL	UTANT	- 51	JLPH	UR DIO	IDE							U	NITS	- 0.0	1 PAR	TS/MI	LLION	r.						
	STAT	ION -	sw	NO	14016		OPPOSITE	LAME	TON	GS	HWY40	COURT	RIGHT			MONT	н - д	UG	77						
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 1	REAN
1 2 3 4 5 6 7 8 9	1 0 1 1 2 1 1 1 2 2	1 0 1 1 2 2 1 1 1 2	O 1 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0 1 1 1 1 1 1 1	0 1 1 1 1 1 1 1 1 1 1 1	0 2 0 1 2 1 1 1 1 1 1	0 2 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0 1 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0 0 1 2 1 2 1 1 1	0 0 0 2 1 8 1 1 1 1	0 0 2 2 11 1 1	1 1 2 1 7 1 1 1 1 1	0 1 3 2 2 7 1 1 1 1 1	0 1 4 2 2 8 1 1 4	0 1 3 2 2 7 1 1 4 2	0 2 2 4 1 6 1 1 1 2	233222132	2 2 3 2 1 1 2 1 1 2	2 2 5 3 2 1 2 1 2 2	1 1 5 2 2 1 2 1 1 3	022212212	0 2 2 4 2 1 2 2 2 1	0 1 2 4 2 1 1 2 2 1	0 1 1 2 2 1 1 2 2 1	2 2 3 1 1 2 1
11 12 13 14 15 16 17 18 19 20	1 1 0 0 0 0 0 0 0 0	1 1 1 0 0 1 0 0 0	1 0 1 1 0 0 1 1 1 0 0 0	1 0 0 1 1 0 0	2 0 1 0 0 0 0 1 2 0	1 0 0 0 0 0 1 0 0	1 0 1 0 1 0 0	1 0 1 1 0 1 1 1 0 0	0	1 0 2 1 1 1 0 0 1 1 6	1 0 2 2 3 1 0 0	1 0 1 2 2 3 0 0 0 4	1 0 1 2 0 - 1 0 0 4	1 2 2 0 3 0 0 0 2	1 0 2 1 2 0 0 0 0 1	1 0 2 2 3 1 0 0 0 0	1022210210	0 1 2 1 2 0 1 2 1 0	0 1 2 0 0 0 0 0 0	0 1 2 0 0 0 2 0 1 0	0 1 2 0 0 1 3 0 0 0	0 1 1 0 0 1 2 0 0 0	0 1 1 0 0 0 0	0 1 1 0 0 1 1 0 0 0	1 1 1 1 0 0 1
21 22 23 24 25 26 27 28 29	0 0 1 1 1 3 2 2 0	0 4 1 0 1 1 2 2 2	0 0 1 1 1 1 2 2 2 0 0	0 0 1 1 1 1 1 2 2 0	0 0 1 1 1 1 1 2 2 0 0	0 0 1 1 1 1 1 2 2 0	0 0 1 1 1 1 1 1 2 2 2 0	0 0 1 1 1 1 1 2 2 2 0	0 0 1 2 *** 0 2 1 2 2 0	1 0 2	1 0 3 4 3 6 1 1	1 0 3 4 6 4 1 1	1 0 3 3 8 4 1 1	2 0 3 3 17 4 1 2	2 1 2 6 3 0 3 1	1 0 1 3 2 3 1 3 1 1	1 0 1 4 2 2 3 1 1 1	1 1 1 3 3 2 1 1 1	1 1 1 1 3 1 1 1 1 1 1	1 1 1 2 2 2 1 1	1 1 1 1 3 2 2 1	1 1 0 1 1 3 2 2 1	0 2 1 1 3 2 2 1 1	0 2 0 1 1 3 2 2 0 0	1 1 2 3 3 1 2 1
31	0	0	0	0	0	0	0	0	0	2	1	2	3	2	1	3	1	1	2	1	1	1	1	1	1
MEAN	1	1	1		1	1	1	1	1	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1.2

PERCENTAGE OF DATA VALID - 99.3 PERCENTAGE OF DATA INVALID - 0.5

PERCENTAGE OF DATA UNAVAILABLE - 0.1

- *- " INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNITS - 0.01 PARTS/MILLION

				30 61 1	1011 01	0.100	ñ																		
	ST	ATION	- SW	NO	14016		OPPOS	ITE	LAMBTO	N GS	HWY40	COUR	TRIGH	T		MON	чтн -	SEP	77						
HOUR Day	1	2	3	4	5	6	7	8	9	10	1.1	12	13	14	15	16	17	. 18	19	20	21	22	23	24	MEAN
1	1	2	1	1	1	1	1	1	1	0	0	0	0	0	1	1	1,55	••••	2	4	1	1	1	1	1
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	3	2	1	1	2	2	- 1		1
3	2	1	****	1	1	1	7	1	2	2	2	2	3	3		3		5	4	1	0	0	0	0	2
4	1	0	0	0	1	1	0	0	0	0	1	0	1	1	2	1	2		2	2	2	2	1	1	1
5	1	1	1	1	1	1	1	1	1	2	3	5	5	5	4	3	3	2	1	1	0	0	0	0	2
6	1	1	o	0	0	0	0	0	1			0	1	2	4	3	5	1	1	1	1	1	1	- 1	1
7	Ó	0	ō	0	1	0	0	0	1	2	2	3	1	1	1	- 1	2	1	1	1	1	1	1	1	1
Ř	1	,	ĭ	ō	0	0	0	0	1	1	1	2	13	19	14	1	1	1	1	1	1	1	1	1	3
9	ó	o	1	í	i	0	1	1	1	2	2	1	2	2	3	1	1	1	0	0	0	0	0	0	1
10	ō	ŏ	Ö	o	o	0	0	0	0	0	••••	••••	****	••••	••••	0	0	0	0	0	0	0	0	0	0
1.1	1	1	•	1	1	2	1	2	2	1	1	1	1	1	1	2			1	1	0	1	1	1	1
12	- 1	0	0	0	0	0	0	1	2	2	1	1	1	1	1	3		2	0	0	0	*	*	0	1
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0		٥	0	0	0	1	2	2	0
14	1	3	o	0	0	0	0	0	3	0	0	0	0	1		2			0	0	0	0	0	0	1
15	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0		0	0	0	0	0		1	1	1	2	1		2	1	1	1	1	1	1	1
17	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1
18	1	- 1	1	ĭ	1	ī	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	2	2	2	1
19	2	3	3	3	3	4	4	4	4	4	4	4		4		1	1	1	0	0	0	0	0	0	2
20	ō	ō		ō	••••	••••	••••	••••	••••	••••	••••	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0				0
22			0	ő												****	0				****			9	
23	2020	2002										-	DATA	INVA	IID -										
24																									
25													DATA												
26											0	0		1	1	1	1	1	1	****	2	1	1	1	*****
27				1	•	4	4	•			ŏ	ŏ		1	- i	- 1	1	1	1	1			1	1	1
28	- 1	- 1	- !	- 1			- 4	- 1		1	1	ŏ		- 1	i	- 1	1	1	1	i	1	1	1	1	1
29				- 4	1						- 1	2		2		2			•	- 1	- 1	1	1	1	1
30	1	1	- 1	- 1	ò	i	1	1	1	i	i	ō		ī	1	ī	1	1	1			• • • •	1	1	1
MEAN	1	,	1	1	1	1	1	,	1	,	1	1	2	2	2	1	2	1	1	1	1	1	1	1	1.0

PERCENTAGE OF DATA VALID - 81.3

PERCENTAGE OF DATA INVALID - 17.8

PERCENTAGE OF DATA UNAVAILABLE - 1.0

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

UNITS - 0.01 PARTS/MILLION POLLUTANT - SULPHUR DIOXIDE OPPOSITE LAMBTON GS HWY40 COURTRIGHT MONTH - OCT 77 STATION - SW NO 14016 18 19 20 21 22 23 24 MEAN 17 9 10 11 12 13 14 15 16 HOUR 8 10 3 11 12 13 14 15 16 17 18 19 20 22222222 2222231 3 1 1 0 ò 3 3 3 3 3 3 3 21 22 23 24 25 26 27 28 29 3 DATA INVALID 5 4 5 3 3 3 3 3 3 3 3 3 3 31 2.1 2 2 2 2 MEAN

PERCENTAGE OF DATA VALID - 94.0

PERCENTAGE OF DATA INVALID - 5.8

PERCENTAGE OF DATA UNAVAILABLE - 0.3

- 2. . INDICATES DATA IS UNAVAILABLE
- 3. ******* INDICATES LEJS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNITS - 0.01 PARTS/MILLION

	-	CLUIP		3017	ion Di	DATOL										·	stat was		50.0						
	51	MOITA	· Sw	NO	14015	i	OPPOS	ITE L	AMBTO	N GS	HWY40	coul	RTRIGH	(T		MON	ITH -	NOV	77						
DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	3	3	3	2	2																			••••	*****
2				1967					****				****				****	****	****					1	
3	1.	1	1	1	1	1.	1	1	1		0	0	0	0	0	1	0	0	0	0	0		0	0	0
4	0	0	0	0	0		1	1	1	1	1	4	4	4	4	4	4	5	6	5	5	4	4	4	3
5	4	4	4	.4	4		4	4	4	4	4	4	4	4	3	3		3	3		4	4	4	4	4
6	4		4	4			4	4	3	3		3	3			3	3	3	3	3	4	4	4	4	4
7	4		4	4	4	4	4	4	4	4		4	4	4	4	4	3			3	3	3	3	3	4
8	3	3	3	3	3	3		3	3	3			3		2		****	3	3	3	3	3	3	3	3
9	3	3			ia.	2	3	3	3	3	3	3	3	3	3	3	4	4		3	3	3	3	3	3
10	3	3	3	3	3	3	3	3	3	3	4	3	4	В	14	****	****	****	• • • •	****	****		• • • •		*****
1.1														0	1	1	2	1	1	*	1	0	0	0	*****
12	0	0	0	0	0		****	****		****		1	1	1	1	2		1		****	****				
13							****	****	0	****	0		****	****		****	****	****	****	1	****		0	****	
14	****			****	****		****	****		****	0	0	****	****			0	****	0	0	0	0		****	*****
15		****					****	****		****	****		****	0	0	1	1	1	1	1	2	2	1	1	*****
16	1	1	1	1	- 1	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	- 1	0	0	0	0	1	****	0	0	0		0		0	1	1	1	1	1	0	0	0
18	1	0	0	0	1	1	1	1	1	1	0								1	1	1	1	1	1	1
19	1	1	1	0	1	1	1	1	1	1	0	0	0		0		0		0	1	1	1	1	1	1
20	1	1	0	1	1	0	- 1	1	1	1	1	1	0	0	0	0	0	0	0	1	1	1	1	0	1
21	- 1	1	,	1	n	0	0	0	1	0	0	0	1	0	0	0	0	0	1	1	1	1	1	0	0
22	1	- 1	1	1	1	1	- 1	1	1	1	3	3	3	1	1	0	0	0	0	1	0	0	0	0	1
23	0	0	1	1	0	- 4	0	1	0	0	0		0	0	0	1	1	2	2	2	2	3	2	2	1
24	1	1	2	1	2	2	2	2	2	1	1	1	1	1	2	1	1	2	1	1	1	1	- 1	1	1
25	1	2	3	2	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	- 1	- 1	2	1
26	3	3	4	4	4	4	4		4	4	3	3			3	3	2	2	1	1	1	2	2	2	3
27	2	2	2	2	2	1	2	2	2	2	1	2	2			1	1	1	1	1	1	1	1	1	1
28	1	1	2	2	2	2	2	2	1	1	1	1				0	0	1	1	1	1	1	1	1	1
29	1	2	2	2	2	1	1			1.	2	1	2	2	2	3	3	1	2	2	2	2	2	2	2
30	2		1	2	2	2	2	2		*	2	5	2	2	1	1	1	1	1	1	1	1	1	1	2
MEAN	2	2	2	2	2	2	2	2	2	2	1	2	2	2	2	1	1	1	1	2	2	2	1	1	1.6

PERCENTAGE OF DATA VALID - 80.7 PERCENTAGE OF DATA INVALID - 17.6

PERCENTAGE OF DATA UNAVAILABLE - 1.7

NOTES 1. ****** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	PO	LLUTA	NT -	SULP	HUR DI	OXIDE								UNITS	- 0.	01 PA	RTS/M	ILLIO	N						
	ST	ATION	- SW	NO	14016		OPPOS	ITE	LAMBTO	N GS	HWY40	COUR	TRIGH	т		MON	TH -	DEC	77						
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1 2 3 4 5 6 7 8 9	1 0 0 1 1 1 2 1 0 2	1 0 0 1 1 1 1 2 1 0 2	0 1 1 2 1 1 2 1 0 2	0 0 1 2 1 1 2 1 0 2	1 1 0 1 1 1 2 1 1 2 2	0 0 1 1 1 1 2 1 1 3	0 0 1 1 1 1 1 1 1 0 2	0 1 1 1 1 1 1 3 1 2	0 1 1 2 1 5 1	0 1 1 1 0 2 1 1 1 3	0 1 1 1 0 1 1 1 1 1 2	0 0 1 1 0 2 1 1 1 1 1	0 1 1 0 2 1 1 1 0	0 0 0 0 1 1 2 0	0 0 1 0 1 2 0	0 0 0 1 1 0 2 1 0	0 1 1 2 0 3 2 0	0 1 0 1 1 2 0 3 2 1	0 0 1 1 2 2 0 2 2 1	0 1 1 1 2 0 3 3 1	1 1 1 2 0 2 3 1	1 0 3 1 1 2 2	1 0 1 1 0 3 0 1 2 2	0 1 1 1 2 2 0 2 2	0 0 1 1 1 2 1 2 1 2
11 12 13 14 15 16 17 18 19 20	2 2 3 1 1 1 4 2	2 2 1 1 2 2 1 4	2 2 2 1 1 2 2 0 4	2 3 2 1 1 3 2 1 4	2 4 1 1 1 1 2 2 2 1 4	3 4 2 0 1 3 2	3 3 2 1 1 2 1 2 3	3 3 1 0 1 3 2 2 2 3	3 2 1 1 2 2 2 3	2 3 1 1 3 3 2 3 3	2 3 1 1 1 4 2 1 4 4	1 2 2 1 1 4 2 1 4 3	1 1 3 1 1 4 3 1 4 0	1 1 3 1 2 3 2 2 4 0	0 2 2 1 2 4 2 2 4 0	1 2 3 1 1 4 2	0 2 1 2 4 2 4 0	1 2 2 1 1 4 2 2 4 0	0 2 2 0 1 3 2 2 3 1	1 2 2 0 1 3 1 1 4 1	1 2 2 1 1 3 1 1 4 1	3 2 2 1 4 2 1 4 2	3 2 2 1 3 2 1 4	2 1 1 2 3 2 1 4 2	2 2 2 1 1 3 2 2 3 2
21 22 23 24 25 26	2 0 4 1	2 1 3 1	3 1 3 2 2	3 1 3 2	4 0 2 2	3 1 2 2	3 1 1 2	2 1 1 2	1 2 1	2 2	1 0 2 1		1 0 3 2			1 1 1	1 1 1	2 1 2	3 3 1 1	2 3 1 2	2 2 1 1	2 3 1	1 3 1 1	1 4 2 1	2 1 2 2
27 28 29 30	0 0	0 0	0	1 0	1 0	1 0	1 0	1 0	0	1 0	1 1	1 1	DATA O 1	O 1	0 1	0	0 1	0 1	0	1	0 2 1	0 1 0	0	0	1 1
31 MEAN	1	1	1	1	1 2	1 2	0	1		1	1	1	0	0	0	0	0	1	0	1	0	2	1	1	1.4

PERCENTAGE OF DATA VALID - 86.0 PERCENTAGE OF DATA INVALID - 13.3

PERCENTAGE OF DATA UNAVAILABLE - 0.7

- 2, *- INDICATES DATA IS UNAVAILABLE
 - 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1977

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - SW	NO 14016 OPPOSITE	LAMBTON GS HWY40 COURTRIGHT		
MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	28	2.2	5	11
FEB	28	2.0	4	16
MAR	30	1.6	5	17
APR	28	1.8	7	25
MAY	29	2.3	7	21
JUN	30	2.4	7	22
JUL	29	1.4	4	13
AUG	31	1.2	3	17
SEP	25	1.0	3	19
OCT	29	2.1	5	21
NOV	22	1.6	4	14
DEC	27	1.4	3	5
YEAR	336	1.8	7	25

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1977

	A DAMPERSON OF						
POLLUTANT - SU	LPHUR DIO	XIDE			UN	115 - 0.0	1 PARTS/MILLION
STATION . SW	NO 14016	OPPOS	TE LAMBTO	N GS HWY40	COURTRIGHT		
MONTH OO	TO 04 0	5 TO 10 1	1 70 14 1	5 TO 25 26	TO 39 40	SOVER	TOTAL
JAN	588	77	1	0	0	0	666
FEB	617	43	0	1	0	0	661
MAR	683	30	3	4	0	0	718
APR	622	47	6	4	o	0	679
MAY	615	72	7	12	0	0	706
JUN	606	83	11	2	0	0	702
JUL	659	26	2	0	0	0	687
AUG	722	14	1	2	0	0	739
SEP	575	7	2	1	0	o	585
OCT	681	13	1	-4	0	0	699
NOV	574	6	1	0	0	0	581
DEC	639	1	o	0	0	0	640
YEAR	7581	419	33	30	0	0	8063

FREQUENCY	DISTRIBUT	ION BY	PERCENTILES									
	PERCENT					CONCEN	TRATIONS					
	OF DATA				FREQUENCY	DISTR	IBUTION.	PERCENT				ARITH
	VALID	MIN	10	30	50	70	90	95	98	99	MAX	MEAN
	92.0	0	0.0	0.3	0.8	1.7	3.4	4.4	6.6	9.1	25	1.8

UNITS - 0.01 PARTS/MILLION

	-00	LUIMIEI	- 3	O L C C	OK DIO	AIDL										O									
	STA	TION .	SW	NO	14049	1	56 VI	CTORIA	ST	NORTH	SAF	AINS				MON	тн	JAN	77						
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 1	MEAN
1 2 3 4 5 6 7 8 9	2 3 5 4 1 1 3 1 1 2	2 2 7 2 1 1 2 1 1 2 2	2 2 5 2 1 0 2 1 1 2	2 4 3 1 1 3 1 1 2	2 2 4 1 1 2 1 1 2	2 3 4 1 4 2 2 1 2	2 2 3 2 2 1 2	3 2 3 2 1 2 1 1 2	223221211	2 7 3 2 1 2 3 2	2 6 2 3 7 1 10 2	2 3 10 2 1 16 1 22 1	2 2 11 2 2 9 2 14 1	2 2 11 2 12 12 11 1	3 2 5 1 12 2 13	3 2 5 2 1 11 2 10 2 3	2 6 4 2 1 6 2 6 1 3	3 5 3 1 1 8 1 3	1 8 5 2 0 5 1 2	1 8 5 3 1 10 1 2	2 9 10 3 1 7 1 2	3 1 1 8 2 1 8 1 5 2	2 8 11 1 10 0 3 2	2 5 9 1 2 8 0 2 2	2 4 6 2 1 6 2 5 1 2
11 12 13 14 15 16 17 18 19	2 3 1 8 2 0 0 0	1 2 1 6 2 0 0 1 1	1 2 2 5 1 1 0 0 2 1	1 2 2 4 2 0 0 1	1 2 2 3 1 0 0 1 1	1 3 2 3 6 0 0 1 1	1 3 3 7 1 0	1 3 4 3 4 0 0	1 3 5 5 2 1 0 1 1	2 3 7 5 1 1 1 0 2	2 8 4 2 1 1 2	2 2 8 4 1 1 1 2 1 2	104101312	1 2 6 3 2 0 0 3	1 1 3 2 1 1 0 2 1 2	1 1 17 1 0 0 2 1	1 1 2 7 1 0 1 2 1 2	1 4 4 1 0 1 - 0 1	1 5 3 1 1 1	5 1 6 2 1 1 1 2 0 1	7 1 5 2 0 0 1 1 0	1 7 4 1 0 1	5 1 12 2 1 1 1 1 2	6 1 11 2 0 1 0 1 1 2	2 2 5 4 2 0 0 1 1 1
21 22 23 24 25 26 27 28 29 30	2 16 3 2 1 13 3 2	2 1 3 16 3 2 1 6 6	2 1 3 12 2 2 1 2 8 2	2 1 3 13 2 1 2 2 8 2	1 3 12 2 1 1 2 6	2 1 4 9 2 2 1 3 5	2 1 9 1 2 2 5 3 2	2 1 5 9 1 7 1 6 2 2	2 1 5 7 1 5 1 8 2 2	2 1 5 3 1 10 1 3 2 2	3 1 7 11 2 7 1 2 2 2	1 1 11 12 2 4 1 2 2	1 10 10 3 8 1 1 3	1 9 11 3 9 2 2 3	0 1 1 1 1 2 5 2 2 2 2	0 1 5 10 2 3 2 1 2 2	1 2 5 6 1 - 2 1 2 2	0 3 6 5 2 3 1 1 2 2	1 2 4 8 2 7 1 1 2 2	1 2 8 5 2 7 1 1 2 2	1 2 17 4 2 2 1 1 2 2	1 2 13 4 1 2 9 1 2 2	1 15 3 1 2 11 3 2	1 16 3 2 2 13 5 1	1 1 7 9 2 4 3 3 3 3 2
31	2	2	2	2	2	2	2	2	2	2	2	2	2	****	2	1	1	2	2	2	2	2	2	2	2
MEAN	3	3	2	2	2	2	3	2	2	3	3	4	4	4	3	3	2	2	2	3	3	3	3	3	2.9

PERCENTAGE OF DATA VALID - 98.8 PERCENTAGE OF DATA INVALID - 0.7

PERCENTAGE OF DATA UNAVAILABLE - 0.5

NOTES 1. ****** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ******* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

DAY 1 2 2 1 2 2 1 2 2 2 2 2 2 2 3 2 3 2 1 1 1 1	
DAY 1	
2	22 23 24 MEAN
12 1 1 1 1 2 1 2 1 1 1 1 2 2 2 2 3 3 3 2 2 1 2 4	14 10 14 8 1 1 2 5 2 1 0 2 2 1 0 1 0 1 1 1 1 1 18 24 24 10 3 3 5 11
14	2 2 2 8
21	2 2 2 5 2 2

PERCENTAGE OF DATA VALID - 98.4

PERCENTAGE OF DATA INVALID - 0.7

PERCENTAGE OF DATA UNAVAILABLE - 0.9

- 2. *- INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEJS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNITS - 0.01 PARTS/MILLION

	ST	ATION	- SW	NO	14049)	156 V	ICTOR	IA ST	NORTH	SA.	RNIA				MON	TH -	MAR	77						
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
î	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		1	1
2	1	2	2	2	- 1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	- 1	1	1	1	1
3	1	1	0	1	1	1	1	2	1	1	1	2	3		4	4	****	5	3	3	2	2	2	2	2
4	2	2	2	2	1	2	2	1	1	2	2	2	2	2	0	3	3	1	1	2	7	В	3	1	2
5	1	1	1	3	7	8	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	2
6	1	1	1	2	- 1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	- 1	1	1	1	1
7	1	1	-	*	1	1	1	1	1	1	1	1	1		0	1	1	1	1	1	1	1	1	1	1
8	1	1	1	3	12	15	16	15	23	26	18	12	16	28	24	27	18	12	6	4			6	7	13
9	5	7	7	5	5	8	16	24	27	20	18 15 15	15	11	12	11	10	14	8	10	8	14	12	10	11	12
10	18	15	9	10	7	9	8	5	10	12	15	7	10	12	8	12	11	14	. 5	4	4	2	1	0	9
11	1	1	1	1	- 1	1	2	1	1	4	5	5	4	3	••••	2	2	2	2	2	2	2	2	2	2
12	3	3	3	2	2	2	2	3	3	3	3	3	2	1	1	1	1	2	1	1	1	1	1	1	2
13	1	1	1	2	4	1	1	1	13	11	4	7	5	6	8	10	9	4	3	3	3	1	0	0	4
14	0	0	0	0		0	0	0	0	0	1	1	0	1	1	1	1	0	0	0	1	1	1	0	0
15	0	0	0	0		0	0	0	1	2	4	2	••••	5	••••	4	5	4	3	4	5	3	3	2	2
16	2	2	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
17	1	2	2	2	3	2	2	3	1	****	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1
18	1	1	1	1	1	1	1	1	1	1	- 1	1	1	1		1	1	1	1	1	1	1	1	1	1
19	2	3	3	3	2	1	1	2	3	3	3	2	2	2	2	2	2	3	3	2	2	2	- 1	1	2
20	2	2	1		2	2	2	1	1	1	1	2	2	2	2	2	3	3	2	1	1	1	-1	1	2
21	1	1	2	2	3	8	9	11	10	1	6	8	11	1.1	9	21	12	2	2	1	1	1	1	1	6
22	1	1	1	1	1	1	1	1	1	1	- 1	1	1	1	1	1	1	1	1	1	1		- 1	- 1	1
23	2	2	1	1	1	1	1	2	1	6	11	6	4	2	3	1	- 1	1	1	1	1	1	- 1	1	2
24	- 1	1	1	1	1.	1	1	1	1	1	1	1	- 1	1	1	1	- 1	1	1	1	1	1	1	1	1
25 26 27	1	1	1	1	0	1	1	1	1	1	- 1	1	- 1		1	0	- 1	3	2	- 1	1	1	- 1	****	
26	0	0	0	0	0	0	1	2	3	3	2	2	2		1	2	- 1	2	!	1	- 1	1		1	1
27	- 1	_1	1	1	1	1	2	2	4	7	10	11	12	13	14	14	13	12	. 11	. 11	10	10	10	10	В
28	10	10	10	10	10	10	10	10	9	. 8	8	7	7	8	7	4		****	****				••••		
29	****			****			****		****	11	9		3	2	!	10			- 2						
30	****	****	****				****	****								3				0	0	0	U	U	
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	2	2	2	2	2	3	3	3	4	5	4	4	4	5	4	4	4	3	2	2	2	2	2	2	3.1

PERCENTAGE OF DATA VALID - 92.6 PERCENTAGE OF DATA INVALID - 6.5

PERCENTAGE OF DATA UNAVAILABLE - 0.9

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	PO	LLUTANT	- S	ULP	HUR DIO	KIDE								UNITS	5 - 0	01 PA	RTS/M	ILLIO	N						
	ST	ATION -	SW	NO	14049	1	56 V	ICTORIA	ST	NORTH	SA	RNIA				MON	тн -	APR	77						
DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	, 19	20	21	22	23	24	MEAN
1 2 3 4 5 6 7 8 9	0 6 3 0 4 0 1 1 3	0 6 3 0 3 0 1 2 2	0 6 3 0 0 0 5 3 1 7	0 5 2 0 0 0 3 3 1	0 5 1 0 0 0 1 3 1	0 5 1 0 1 0 1 2 1 2	0 5 1 0 1 0 1 3 2	0 5 1 0 1 0 1 3 2	0510204212	0 5 1 0 2 0 6 3 1 2	1510206313	2 5 1 0 0 7 1 1	1 4 1 0 1 6 1 1	08100177114	0 6 1 0 1 6 1 4	0 4 . 0 0 1 2 1 4 4	0 	1 0 0 1 2 1 9	1 8 0 0 0 1 2 1 9	2 9 0 0 1 3 1 3	4 10 0 1 0 2 1 1 1 1	5 0 0 0 2 1 1 1 3	6 4 0 1 0 1 1 2 2 2 2	6 3 0 4 0 0 1 6 7 2	1 6 1 0 1 1 3 2 3
11 12 13 14 15 16 17 18 19	4 2 6 1 1 0 1 1 3	8 4 2 1 1 0 1 1 1 3	8 6 2 1 1 0 1 2	10 6 1 1 0 2 3 1	15 3 1 1 1 0 4 3 1 2	9 2 1 1 1 5 2 1 1	12 2 3 1 1 1 3 1 1 3	20 2 7 1 0 1 2 1 1	20 2 6 1 0 1 1 1	16 2 3 1 1 2 2 1 3 6	15 2 2 1 1 5 1 4 3	16 0 2 1 1 7 1 2 6	3 0 2 1 0 2 1 2 4	1 1 2 1 9 2 2 4 2	2 1 2 2 0 8 2 3 18 3	2 2 1 0 2 1 3 20 5	2 1 1 0 2 3 12 13	2 1 1 0 2 3 6 7 5	2 1 1 1 3 3 4 6 3	2 1 1 0 0 2 1 3 4	1 0 1 2 2 2 3 2	100022272	0 0 0 1 1 2 8 3	2 4 1 0 0 1 1 1 3 3	7 2 2 1 1 2 2 2 5 4
21 22 23 24 25 26 27 28 29	2 1 8 8 8 2 - 0 2	2 2 1 **** 8 11 2 1	3 2 1 8 7 7 1 0 0	3 2 8 7 4 1 1 0 0	3 2 8 8 2 1 0 0	3 2 1 8 7 3 1 0 0	3 2 1 8 7 1 1 0 0	3 1 1 - 7 1 ** 5 0 4	4 1 1 - 6 - 7 0 0	16 1 7 6 5 0	17 1 8 6 15 0 1	12 1 1 8 6 16 0 0	15 1 4 8 6 13 0 1	20 1 6 8 6 8 0	21 7 8 6 15 0	9 1 7 8 6 21 0 0 5	10 1 8 8 7 •••• 20 0 1	10 2 8 8 8 8 0 0	7 2 8 8 3 0 0	11 2 8 8 8	5 4 8 8 8 1 1 0 1 3	4 5 8 8 1 6 0 3 2	4 3 8 8 7 1 0 0 6	2 8 8 8 1 - 0 5	8 2 4 8 7 7 0 1 3
MEAN	3	3	3	2	2	2	2	3	3	3	4	4	3	4	4	4	5	4	3	3	3	3	3	3	3.1

PERCENTAGE OF DATA VALID - 95.4 PERCENTAGE OF DATA INVALID - 3.2

PERCENTAGE OF DATA UNAVAILABLE - 1.4

- 2. *- INDICATES DATA IS UNAVAILABLE
- 3. " " INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNITS - 0.01 PARTS/MILLION

	ST	MOITA	· SW	NO	14049		156 V	ICTOR	IA ST	NORT	H SA	RNIA				MON	тн - 1	YAN	77						
HOUR DAY	1	2	3	4	5	6	7	8	9	10	1.1	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1 2 3 4 5 6 7 8 9	1 0 0 0 0 0 0 0 0	1 0 0 0 0 0 0 0 0 0	1 0 0 0 0 0 0 0	3000000400	200000000000	3 0 0 0 0 0 0	2 0 0 0 0 0 0 1 1	10 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	7000000000	0 1 0 0 0 3 0	7 0 4 0 1 0	6 . 0 1 2 0 0 0 0 0	10 1 0 1 1 0 0 0 0	12 0 0 1 2 0 0 0	19 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	20 0 0 1 1 0 0 1 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	90000000	500000000	500000000000000000000000000000000000000	2000000000	1 0 0 0 0 0 0 0 0	100000000	7 0 0 0 1 0 0 0 0 0
11 12 13 14 15 16 17 18 19	0 0 1 0 0 3 10	0 0 1 0 0 2 10	0 0 1 0 0 0 0 5	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 1 0 0 0 0 3	0 0 0 0 3	1 0 1 0 0 1 4	0 1 1 0 0 4 2	0 1 1 1 1 1 1 2 1 1 5	0 1 0 1 2 21 2 1 1	0 1 1 2 20 3 1 1 8	0 1 0 2 1 9 2 1 1 1 17	0 1 2 1 2 4 1 1 21	0 1 1 2 1 7 5 1 1	0 1 1 1 7 5 1 1	0 1 0 0 6 5 2 1	0 1 0 0 5 5 1 1 21	0 0 0 0 8 7 1	0 0 1 0 7 13 2 1	0 0 1 1 3 16 2 1	1 0 1 0 2 10 1 1	0 1 0 1 1 3 6 1 3 2	1 1 0 0 0 7 2 1 4 1	1 0 0 1 3 2 1 3 2	0 1 1 1 5 6
21 22 23 24 25 26 27 28 29 30	2 3 4 **** 0 2 1 1 0 0	2 3 12 **** 1 2 1 1 0 0	2 3 12 1 1 1 1 0 0	2 3 9 **** 1 1 0 1	2 3 8 **** 1 1 0 1 1	2 3 8 ***** 1 2 0 0 1 1	3 4 8 **** 1 2 1 1 1	3 5 8 **** 1 1 1 1	6 8 25 **** 1 1 1 3 1 0	13 12 14 **** 1 1 1 2 1 0	11 14 15	8 13 12 **** 1 1 3 1	9 17 13 **** 1 2 1	9 16 11 1 2 1 1 2 2	9 12 8 1	12 10 7 1 1 1 1 2	13 8 6 1 1 0 1 2 1 1	3 7 6 1 1 0 1 2 1	3 7 10 1 2 0 1 1 0	2 3 10 1 1 0 0 1 1 1 1	3 3 0 2 0 0 1	3 2 9 1 2 0 0 0	3 1 9 1 2 0 0 4 0	3 1 **** 1 2 0 1 0 0	5 7 10
31 MEAN	1	1	1	1	1	1	1	1 2	10	3	3	0	0	1	3	3	3	2	1 2	1 2	1	1	1	1	2.0

PERCENTAGE OF DATA VALID - 95.6 PERCENTAGE OF DATA INVALID - 3.6

PERCENTAGE OF DATA UNAVAILABLE - 0.8

NOTES 1. "***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. *- INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	PO	LLUTA	INT -	SULP	HUR DI	OXIDE								UNITS	- 0	.01 PA	RTS/N	ILLIO	N							
	ST	ATION	4 - 5	w No	14049	9	156 \	VICTOR	RIA ST	NORT	H SA	RNIA				MON	TH -	JUN	77							
DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	. 19	20	21	22	23	24	MEAN	
1	1	1	0		2	4	7	12	7	3	0	0	1	0	0		0	0	0	0	0	0	0	0		2
2	0	0	(0	0	0	****	****	****	****	0	0	0	0	0	3	0	0	0	0	0	0	0		0
3	0	0) 0	0	0	0	1	0	1	1	1	1	1	1	1	1	1	1	1	6	0	2	3		1
4	3	1	1	1	1	1	- 2	8	8	4	1	1	2	3	2	3	1	1	0	3	6	4	3	1		3
5	- 1	1		1	1	- 1	1	1	1	1	2	3	2	2	- 1	1	0	1	0	1		0	0	0		1
7	0	0	(0	0	0	0	0	0	0	0	1	2	1	0	0	0	0	0	0	0	0	0		0
8	0	0	(0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0	0	0		0
9	0	0		0		3	2		1	0	1	1	1	1	0	2	0	0	0	****	****		****	****		1
10							****		****	****	****	****	0	1	1	3	5	7	2	1	2	1	1	1	*****	
10	1	1									****	0	0	0	0	0	0	0	0	0	0	0	0	0	*****	•
1.1	0	0) 1	0	0	0	1	2	7	5	3	3	3	2	1	2	3	1	1.	1		1	1		2
12	1	1		1	2	2	1	1	1	1	1	1	1	1	1	1	0	1	1	2	2	1	1	0		1
13	0	0	(0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	1	0
14	0	0		****	1	0	100	16.	-	0	0	0	0	0	1	1	0	0	1	1	0	0	0	1		0
15		0			1	1	1	0	1	- 1	74	****	0	1	1	****	0	0	1	- 1	1	0	0	0		1
16	0	0		0	0	0	0	2	2	1	В	7	6	4	6	9		5	5	3	3	2	3	3		3
17	5	11		5 2	- 1	1	1	1	1	1	- 1	2	3	3	4	4	5	4	7	6	4	5	4	4		4
18	5	2	- 1	****	****		****	****		****	****	****	****			****	****		****	****	****	****			*****	*
19														INVAL	.ID -											
20	****	****	****		****	****	****	****	****	****	****	****	****	0	0	0	0	0	0	0	0	0	0	0	*****	*
21	1	0		0 0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	1	0	0	0	0	0		0
22	0	0	***	. 0	0	0	0	0	0	0	0	o	0	1	ő			1	- 1	1	1	0	0	0		0
23	0	0	(1	0	0	0	0	0	0	0	3	3	2	4	8	14	В	12	6	3	2	1	2		3
24	1	1	1	1 1	1	3	5	8	6	3	3	2	4	3	2	1	2	2	8	6	5	8	В	9		4
25	4	0				****	****	****	0	0	0	0	0	1	ĩ	1	1	1	1	1	ō	0	0	0		1
26	0	****	***	. 0	0	****	0	****				****		0	ó	0	0	0	o	0	Ô		0	2	*****	*
27	3	3		1 1	0	2	1	3	4	5	8	7	7	5	2	3	1	2	4	1	2	1	0	0		3
28	****	****	***		****		****		2	10	15	В	6	2	ō		1	ō	2	8	4	0	0	0		4
29	****	0			****	****	****	0	0	0	1	1	1	1	ō						****				*****	*
30	****	****	***		****	5	3	4	12	11	8	14	11	7	2		1	5	6	1	1	4	6	4		6
MEAN	7	1		1 1	i	1	1	2	2	2	3	2	2	2	1	2	2	2	2	2	1	1	1	1	1.	5

PERCENTAGE OF DATA VALID - 80.0 PERCENTAGE OF DATA INVALID - 18.6

PERCENTAGE OF DATA UNAVAILABLE - 1.4

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ******* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNITS - 0.01 PARTS/MILLION

														11000					214						
	ST	ATION -	SW	NO	14049		156	v1CTO	RIA S	T NORTH	1 54	RNIA				MON	TH -	JUL	77						
DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1 2	1	1.	1	4	1	9	7	4	1	1	1	1	1	1	1	1	1	í	1	1			2		-
	0	0	0	0	0	0	0	1	0	0	0	0	0	0	ó	ó	o	ó			0	0	1	1	2
3	0	0	0	0	1	0	1	3	7	3	5	6	7	11	11	15	10	6	0	0	0	0	0	0	0 5
4	14	14	9	4	1	1	1	1	o	0	0	ő	•	2	3	4	3	2	3	9			3	7	5
5	1	0	0	0	0	0	0	0	0	0	0	1	5	2	2	1	1	1	2	2	2	2	2	1	3
6	1	1	1	1	1	1	1	1	ĭ	ĭ	1	- 9	****	ą.					1	1	1	1	1	- 1	1
7	1	1	1 1		****	0	Ö	- 2	- 4		- 4	- 0			0	2	2	2	2	2	2	1	1	1	1
8	1	1	1	1	1		****	****		****	ó	- 1	- 1	0			1	- 1	1	1	1	1	1	1	1
8	1	1	1		4	1	•	4					- 3	2	3	3	6	4	2	1	3	3	3	2	2
10	0	****	- i	1	1	- 1	- 1	- 1	1		- 1		1	1	1	1	1	1	- 1	1	1	1	1	1	ī
	-				***		•	- 1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	Ó	ĵ
11	0	0	0	0	0	0	0	0	0	0	0	n	0	0	0	0			2						
12	1	1	1	1	1	1	0	0	ŏ	ō	0	0	ŏ	ŏ	ĭ	2			0	0	0	0	0	1	0
13	1	1	1	1	2	2	1	1	1	1	2	ĭ	ĭ	1	i	- 1	1	*	. 3	2	- 1	. 1	2	1	1
14	1	1	1	1	1	1	0	Ó	- 1	4	8		6	5				1	****	1	1	1	1	1	1
15	3	3	2	2	2	3			2	7	2	3	3	4	7	17	18	11	9	4	3	4	3	3	5
16	1	1	1	1	- 1	1			- 1	- 1		3		4		*	*	****	2	2	2	1	1	1	2
17	1	4	•	- 4	1	- 1	- 4	- 1		- 1	- 1	1	•	1	1	3	3	2	2	2	****	1	1	1	1
18	1	i		- 1	- :	- 1	- 1	- 1	1	1	1	1		1	1	2	2	2	2	2	1	- 1	11	1	- 1
19	2	2	2		4		1	1	2		3	****	4	4	3	2	2	6	4	5	3	2	2	2	ż
20	•	î	-	2	3	2	1	1	1	1	1	1	1	1	1	1	1	1	1	ĩ	1		- 7	-	1
	4	3.	1	,	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	ż	2	2	- i
21	1	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		•
23	1		200		1		- 1	1	1	1	1	1	1	1	1	1	1	1		í	- 4	4	í		4
24	5	B	1	1	1	1	1	1	2	4	6	5	5	5 3 0 0 0 2	5	5	7	9	8	9	7	6	9	6	
25	2	2	6	3	6	3	3 2	5	4	4	3	2	3	3	4	5 5 0	7 4 0	9	3	3	2	2	3	3	
25 26	2	2	2	2	0			2	2	1	0	0	0	0	0	ō	0	ŏ	3	ő	ő	ő	õ		4
26	0	0	0	0		0	0	0	0	0	0	0	0	0	ŏ	ŏ	ŏ	ŏ	ŏ		U	·	ö	0	2
27 28	0	0	0	0	0	0	****	****	1	0	0		0	ō	0	ŏ	ŏ	2	Ÿ	0	-		ő	o	0
28	0	0	0	0	0	0	0	1	2	5	4	5	6	2	5	-	_				_ 1	0			0
29	1	1	1	1	1	0	****	0	o	2		2	2	ī	7	0	1		77.7	5	2	3	2	2	2
30	1	1	0	0	0	1	1	0	ō	ō	0	ō	ō	ò	ċ	ő	ò	ò	ò	0	0	0	0	0	1
31	0	0	0	0	0	0	0	0	2	3	3	8	3	1	1	0	0	0	0	0	0	0	D	0	
MEAN	1	2	1	1	1	1	1	1	1	1	2	2	2	2	2	2		Al-Al-					٥	-	1
										-	•	•	-	2	2	2	3	2	2	2	1	1	1	1	1.6

PERCENTAGE OF DATA VALID . 95.0

PERCENTAGE OF DATA INVALID - 2.8

PERCENTAGE OF DATA UNAVAILABLE - 2.2

NOTES 1. ****** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

POLLUTANT - SULPHUR DIOXIDE

3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

UNITS - 0.01 PARTS/MILLION STATION - SW NO 14049 156 VICTORIA ST NORTH SARNIA MONTH - AUG HOUR DAY 24 MEAN 2 3 4 5 6 7 8 9 5 2 12 2 0 1 12 13 14 15 16 17 18 19 20 1 0 5 22 23 24 25 26 27 28 29 30 0 0 1 4 14 13 1 9 0 1 4 7 12 2 2 0 0 1 3 12 14 3 9 5 4 12 6 10 13 1 MEAN 2.0

PERCENTAGE OF DATA VALID - 98.0

PERCENTAGE OF DATA INVALID - 1.7

PERCENTAGE OF DATA UNAVAILABLE - 0.3

- 2. .. INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

	STA	TION - S	w No	14049	1	56 VI	CTORIA	ST	NORT	H SAI	RNIA				MON	TH -	SEP	77						
HOUR	1	2 3	4	5	6	7	. 8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 M	EAN
1 2 3 4 5 6 7 8 9	3 1 1 0 7 0 0 1 1 1 1	2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 0 1 1	1	4 1 1 0 1 0 0 0 0 2	6 1 1 1 0 0 0 0 2 1	9 1 1 1 1 0 3 1 1 1 0 1	5 1 1 0 1 1 2 0 9 1	4 1 0 1 **** 4 1 15	3 1 4 1 **** 24 1 15	2 1 4 1 0 12 8 19	2 1 1 4 1 0 15 1 1 12	0 1 0 4 1 0 9 1	1 1 4 1 0 6 1 15 1	1 1 7 1 0 5 2 16	1 0 4 1 0 5 1	1 0 4 1 0 4 1 8	1 1 0 6 1 0 1 1 5	1 1 4 1 0 1 1 4 0	1 1 0 6 0 0 1 1 2 1	1 0 8 1 0 1 1 2	1 1 0 9 1 0 1 1 1	1 1 0 6 0 0 1 1 1 1 1	2 1 3 1 0 4 1 7
11 12 13 14 15 16 17 18 19 20	1 0 4 1 0 0 2 1 1 0	1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 1 1 1 0 0 0 1 1 1 1 1	2 0 1 0 0 0 1 1 1 0 0	2 1 1 0 0 0 0 1 1 1 0 0	2 5 1 0 0 0 1 1 0 0 0	2 4 1 0 2 1 1 0	0 8 1 1 0 4 1 0 0	0 4 1 0 7 3 1 0	0 3 1 0 0 0 1 1 1 1 1	0 3 1 0 5 1 1	0 5 1 0 0 4 1 1	0 7 1 0 0 5 1 1 1	0 4 1 1 0 1	1 4 1 0 0 7 2 1 3	1 6 1 0 •••• 2 1 4	1 10 1 0 8 1 1 2	2 3 0 1 0 6 1 1 1 2	1 1 0 1 0 5 1 0 1 2	1 2 0 1 0 4 1 0 1 2	1 0 1 0 5 1 0 1 2	1 0 0 7 1 1 1 2	1 2 1 0 0 2 1 0 0 2	1 3 1 1 0 3 1 1 1 1 1 1
21 22 23 24 25 26 27 28 29 30	1 1 0 1 1 2 1 1 1 2	1 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0 0 1 0 2 1 1 0 0	1 1 0	1 1 1 1 2 1 1 3 3	1 1 1 2 2 1 1 2 5	1 1 1 5 2 1 2 2	1 1 1 1 8 3 - 2 2	1 1 1 1 1 1 1 2 2	1 1 1 1 1 2 1 1 1 2	1 1 1 1 2 1 1 2 2	1 1 2 1 1 1 1 1 3 2	1 1 1 4 1 2 1 3	1 1 1 7 1 1 1 9 1	1 1 2 2 5 1 1 1 4	1022411151	1 1 2 1 3 1 2 1 4	0 0 1 1 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 3 3	1 1 2 1 1 1 3	1 0 1 1 2 1 1 1 2 2 2 2 2 2 2 2 2 2 2 2	0 1 1 2 2 1 1 3	1 0 1 1 2 1 2 1 2 1	1 1 1 4 2 1 1 2 2
MEAN	1.	1	1	1	1	1	2	2	2	3	3	3	2	2	2	2	2	2	1	1	1	1	1	1.7

PERCENTAGE OF DATA VALID - 97.5 PERCENTAGE OF DATA INVALID - 1.4

PERCENTAGE OF DATA UNAVAILABLE - 1.1

NOTES 1. "****" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POLI	UTANT	- S	ULPH	UR DI	OXIDE							L	INITS	- 0.0	1 PA	RTS/MI	LLION	1						
	STAT	ION -	SW	NO	14049		156 V	ICTORIA	ST	NORTH	SAF	RNIA				MON	тн - о	CT	77						
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11.	12	13	14	15	16	17	18	19	20	21	22	23	24 N	EAN
1 2 3 4 5 6 7 8 9	1 0 1 1 1 1 0 0 1 0	0 1 1 1 1 0 0 1 1 0	0 1 1 3 2 0 0 0 1 1	1 1 3 4 1 0 0	0 1 1 1 1 1 1 0 1 2	1 0 1 1 8 1 0 2 2	1 1 9 1 0 1 1 1	1 1 5 7 1 0 1 2	1 1 1 1 8 1 0 1 1	0 1 1 1 5 1 0 1 1	0 2 1 1 4 1 0 1	0 1 1 1 6 1 0 8 0	0 1 1 2 1 0 1 1 0 3	1 1 1 1 1 0 10 0 4	0 2 1 1 1 1 0 8 0 4	0 1 1 1 1 1 0 4 0 7	1 1 1 1 1 0 2 0 9	1 1 0 1 1 0 3 0 7	1 1 0 1 1 0 2 0 2	0 1 1 0 0 1 1 1 1 1	0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 1 0 0 1 0 1 0 1	0 1 1 1 0 0 1 1 0	1 1 3 0 2 0 0 1 0 2	1 1 1 3 1 0 3 1 2
11 12 13 14 15 16 17 18 19	4 4 0 0 2 0 0 9 1 2	9 2 0 0 3 1 0 8	2 0 0 4 0 0 8 0	1 0 0 0 4 0 1 9 1	2 0 0 3 0 2 13	1 0 0 1 0 4 11	2000202702	0 3 10	2 0 0 0 2 0 3 9 1 2	7 0 0 3 2 0 2 4 1	13 0 0 2 1 0 1 9 0	2 0 0 1 1 1 1 7 0	0 0 1 1 0 1 5 1 1	1 1 2 1 0 1 5	0 0 4 2 1 0 1 5 0 1	3 0 5 3 1 0 2 5 0 1	4 0 3 1 0 7	4 0 2 7 1 0 3 2 2	4 0 1 9 1 0 3 1 3	6 0 1 3 1 0 4 2 3 2	5 0 1 3 1 0 2 1 2 5	6 0 0 3 0 0 2 1 1 2	5 0 0 2 0 0 2 1 1 3	5 0 0 1 0 0 4 1 2 2	4 0 1 2 1 0 2 6 1 2
21 22 23 24 25 26 27 28 29 30	2 13 0 1 2 3 1 2 0	1 5 0 1 2 4 1 2 0	1 1 0 2 2 0 2 0 0	1 2 0 0 2 1 0 1 0 0	3 2 0 1 1 1 0 2	6 2 0 1 1 0 1 0	9 1 0 1 1 1 0 2 0 0	1 0 1 3 1 1 1	14 1 0 1 3 1 1 0 0	10 1 0 1 4 4 4 1 1 0 0 0	10 1 0 3 5 6 8 0 0	5 1 0 6 10 3 11 0	3 1 0 7 12 3 10 0	9 1 0 4 11 2 7 0 0	11 0 6 9 1 9	13 1 0 4 12 1 8 1	15 1 0 3 4 1 4 0 0	13 1 3 3 1 3 0 0	13 1 2 2 2 0 0 0 0	5 1 0 2 2 0 1 0 0 0	5 0 1 2 1 1 1 0 0 0	10 1 0 3 2 0 1 0 0 0	10 1 0 2 2 0 1 0 0 0	12 1 0 2 2 1 1 0 0	8 2 0 2 4 2 3 1 0
31 MEAN	0	0	0	0	0	0	0		0	1 2	1 2	2	1 2	2	2	2	2	2	3	3	1	2	2 1	2	1 1.8

PERCENTAGE OF DATA VALID - 99.2 PERCENTAGE OF DATA INVALID - 0.7

PERCENTAGE OF DATA UNAVAILABLE - 0.1

- 2. "-" INDICATES DATA IS UNAVAILABLE
 - 3. "***** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNITS - 0.01 PARTS/MILLION

	ST	ATION	- SW	NO	14049	į	156 V	ICTOR	IA ST	NORTH	1 SA	RNIA				MON	тн -	NOV	77						
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	. 19	20	21	22	23	24	MEAN
1	2	2	2	2	2	2	2	2	3	4	1	2	2	2	3	3	3	2	3	3 2 2	2	2	2	3	2
,	5	2	2	- 7		2	2	2		3	3	3	3	3	3	2	3	2	2	2	1	1	1	1	2
3	- 7	- 7	2	2	2	2	2	2 2	3	2	2	2	3 2 0	3 2 0	4	6	5	3	2	2	2	2	2	2	2
4	- 1	1	ī	1	2	1	1	1	1	1	1	1	0	0	0	1	1	2 2 3 2 0 0 0	1	1	- 1	1	0	1	1
5	1	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	٥	٥	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	1		2	1	1	1		1	1	1	1	1	0	1	1
9	0	0				0	0	1	1	2	2	2	1	2	2	2	3	5 		2	2	2	2	3	2
10	6	3	3	2	2	2	4	2	1	2	1	1	1	1	1	2	2	3	3	4	3	1	- 1	- 1	2
11	3	- 4	2	3		1	1	4		1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1
12	1	- 1	1	1		1	î	- 1	1	1	1	1	1	1	1	1	1	1	1	1	1	10	1.	- 1	1
13	- ;	ò	ò	ò	ò	i	2	****																	•••••
14						****							••••								5	9	10	10	•••••
15	5	3	3	2	2	2	2		3	3	2	11	8	5	9	16	9	7	7	5	6	18	18	8	7
16	7	13	10	6	5	21	9	17	19	4	10	16	5	3	1	1	2	1	1	0	0	0	0	0	6
17	ó	.0	1	3		-0	ō					1	1	1	1	1	1	2	1	1	2	1	1	1	1
18	1	1	î	- 1	1	1	1	1	1	1	1		1	1	1	1	1	1	1	1	0	1	1	1	1
19	í	i	i	- 1	1	0	1	2	- 1	1	1	1	1	1	1.	1	2	2	1	0	0	1	0	0	1
20	0	0	0	0		1	1	1	2	1	1	1	2	2	2	2	2	2	1	1	1	2	8	11	2
21	13	16	17	2	1	1	1		î	1	1	1	1	1	1	1	0	1	1	0	1	1	1	1	3
22	0	ő	o	ō			- 1	,	3	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	ŏ	ŏ	ő	ő			ò	7	ŏ	ō	0	0	ō	o	ō	4	6	6	2	2	1	1	1	1	1
24	ő	ő	ő	ĭ			ĭ		ŏ	ō	ō				1	1	0	0	1	1	1	1	0	1	0
25	1	ĭ	2	- î	ĩ	ŏ	ó		ō	0	0	1	2	3	9	3	1	1	1	3	2	2	1	0	1
26	ò	ò	ō	ò			ō			0	1	0	0	0	0	- 1	2	1	1	0	0	1	0	1	0
27	ĭ	ĭ	1	ĭ		ī	1		2	3	2	1	1	1	1	1	1	1	0	0	0	1	1	1	1
28	2	4	3	2		2	1	2	2	1	1	1	1	0	1	1	1	1	1	1	1	2	1	1	1
29	ī	2	ĭ	2	2		1			3	3	2	3	3	3	3	3	3	3	2	2	3	2	2	2
30	2		2	ī	1	1	1	2		*	3	3	6	5	2	****	****	1	1	0	0	0	- 1	0	2
MEAN	2	2	2	1	,	2	1	2	2	1	1	2	2	1	2	2	2	2	1	1	1	2	2	2	1.6

PERCENTAGE OF DATA VALID - 91.5 PERCENTAGE OF DATA INVALID - 6.8

PERCENTAGE OF DATA UNAVAILABLE - 1.7

- NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE
 - 2. . INDICATES DATA IS UNAVAILABLE
 - 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	PO	LLUTANT	- 5	SULPH	UR DI	OXIDE								INITS	- 0.	01 PA	RTS/M	ILLIO	N							
	ST	ATION -	SW	NO	14049	•	156 \	ICTORI	A ST	NORTH	SAF	RNIA				MON	тн -	DEC	77							
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1 2 3 4	0 0 0	0 0	0 0 0	0 0 1	0 0 0	1 0 1 0	1 0 0		12 0 0	0	2 0 0	0	1 0 0	1 0	1 0 0	1 0 1 0	1 1 0	0 1 0 1	1 0	6000	4 0 0 0	6 0 0	0 0 0	0000	0 0	
5 6 7 8 9	0 1 1 8 1	0 0 1 2 2	0 1 3 2 3	0 1 8 2	0 1 10 3 4	0 0 11 2 3	0 0 8 2 5	0 0 10 2	0 1 0 7 2 2	0 1 6 2 3	0 1 3 2 2	0 0 3 1	0 1 0 2 2 1	2 2	0 1 2 2 2	0 1 0 2 2	0 1 3 2 1	0 1 0 2 2 1	0 1 0 2 1	0 1 2 2 1	0 1 3 2 1	1 2 3 1	9	1 12 2 2	1 1 5 2 2	
11 12 13 14 15 16 17 18 19 20	2 1 12 8 1 3 1 1	2 2 10 3 1	1 13 2 1 1 1 2	2 1 12 1 0	12 1 0 0 1 1 4 0	3 9 1 1 2 1 5	3 3 9 1 1	10	3 12 10 1 0 2 1 1	3 11 10 0 1 1 1 1 1 0	2 14 11 0 1 3 1 1 0 0	2 12 11 0 1 3 1 1 0	1 10 0 6 4 1 1	11 12 1 4 3 2 1 1 3	1 14 9 1 8 4 1 3	1 12 7 0 7 4 1	1 11 10 1 4 3 1	1 10 11 0 2 4 1 4 0 3	1 9 5 0 6 4 1 4 0	1 12 7 0 3 2 1 8 1	3 15 0 3 2 1 3	1 16 0 3 1 2 1 8	2 17 6 1 3 1 1 0	2 14 9 2 4 1 1 0 7	2 9 10 1 2 3 1 2 1 4	
21 22 23 24 25 26 27 28 29 30	13 1 1 1 1 1 0 0 0 1 2	12 1 12 2 1 1 2 0 1 2	13 1 7 5 0 1 6 0 1	8 1 7 6 1 1	11 7 5 0 1 0 3	1 7 5 0 1	11 1 8 4 1 1 0 3	1 2 2 1 1 2 4	12 1 4 1 1 1 1 1 9 3	7 1 17 2 1 1 1 1 8	8 1 23 2 1 1 0 1 8 2	7 15 1 1 1 0 10 5 7	6 1 6 1 1 1 1 2	4 4 2 2 1 1 7 0 2 2	10 6 2 2 1 2 2	8 5 4 1 1 1 4 2	7 5 2 1 2 4 4 2 2	6 5 2 1 3 5 2	7 9 1 2 1 1 4 4 1	9 11 1 3 1 1 0 2 8	7 8 1 2 1 1 0 2 4 3	8 12 1 2 1 1 0 2 6 4	6 16 1 5 1 1 0 2 4 3	5 10 1 1 1 1 0 2 2 3	9 4 6 3 1 1 1 2 3 2	
31 MEAN	3 2	-	2	1 2	1	1 3	1	1	3	3	1 3	1 3	1	1 3	1 3	1	1	1	3	3	1 3	3	3	3	1 2.7	

PERCENTAGE OF DATA VALID - 96.4 PERCENTAGE OF DATA INVALID - 3.0

PERCENTAGE OF DATA UNAVAILABLE - 0.7

- 2. .- INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEJS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1977

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

TATION - SW	NO 14049 156 VICTOR	IA ST NORTH SARNIA		
MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	2.9	9	22
FEB	28	3.3	11	25
MAR	29	3.1	13	28
APR	29	3.1	8	21
MAY	30	2.0	10	25
JUN	23	1.5	6	15
JUL	31	1.6	5	18
AUG	31	2.0	10	18
SEP	30	1.7	7	24
OCT	31	1.8	8	15
NOV	28	1.6	7	21
DEC	31	2.7	10	23
YEAR	352	2.3	13	28

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

UNITS - 0.01 PARTS/MILLION

28 2.3

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1977
POLLUTANT - SULPHUR DIOXIDE

STATION -	SW NO 140	15	6 VICTORIA	ST NORTH	SARNIA			
MONT	H 00 TO 04	05 TO 10	11 TO 14	15 TO 25	26 TO 39	40 SOVER	TOTAL	
JAN	605	97	25	8	0	0	735	
FEB	538	69	23	31	0	0	661	
MAR	564	72	31	18	4	0	689	
APR	525	133	11	18	0	0	687	
MAY	618	61	30	12	0	C	711	
JUN	517	50	8	1	0	C	576	
JUL	653	46	5	3	0	C	707	
AUG	629	73	24	3	0	c	729	
SEP	644	44	7	7	0	c	702	
OCT	658	62	17	,	0		738	
NOV	616	30	. 4	9	0		659	
DEC	587	83	40	7	, ,		717	
YEAR	7154	820	215	118	4	C	8311	
FREQUENCY	DISTRIBUT	ION BY PER	CENTILES	FRE	CONCE	NTRATIONS	DEDCENT	
	VALID	MIN	10		00 70	90	95	98

94.9 0 0.0 0.2 0.7 1.6 5.9 9.2 12.7 15.5

UNITS - 0.01 PARTS/MILLION

	S	TATION		w No	1500		WESTER	N FAI	R GR	OUNDS	KING	/RECT	ORY.L	ONDO	ų	MON	NTH -	JAN	77						
	•																	•							
DAY	1	2	3	4	5	6	7	В	9	10	1.1	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	7	6	6	6	5	5	4	4	4	4	4	3	2	2	1	1	0	0	0	0	0	0	0	1	3
2	0	0	0		0	0	1	1	1	0	1	0	0	0	0	1	0	0	0	0	1	0	0	0	0
3	1	0	0	0	1	1	0	0	0	1	1	0	0	0	0	0		1	1	0	1	1	0	0	0
4	0	1	5	6	7	7	7	7	7	7	6	6	6	6			****		****	****				****	
5					****		**** *	• • • •				1	1	1	0	0		1	1	1	1	1	1	1	
6	1	1	1	1	1	1	1	1	1	1	1	1	1	••••	3	3	1	2	4	2	1	1	2	2	1
7	2	2	2			2	1	0	0			1	1	1	1	1	0	0	0	0	0	0	0	0	1
8	0	0	c			0	0	0	0	0	0	0	0	0	0	0		0	0	0		0	0	0	0
9	0	0	0	. 0	0		0	0	0	o	0	0	0	0	0	0	0	****			••••		••••		0
10	****	****	••••	****	••••	• • • •	••••	••••	•••	••••	••••		0	0	0	1	1	1	1	1	•	1.	1	1	*****
1.1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2		2	••••	2	2	1
12	2	3	3	3		3	4	5 2 4	7	3	3	2	2	1	1	1	- 1	2	1	2	1	2	2	1	2
13	1	1	2	2	2	2	2	2	3	2	3	3	3	4	6		4	3	2	9	8	8	9	10	4
14	8		4	4	4	4	4	4	4	4	4	5	5	5	5	4	4	4	3	3	3	3	2	2	4
15	2		2	3			3	2	2	2	1	2	3	2		1	0	1	1		0	0	0	0	2
16	0	0	c		1			2	1	1	2	2	2	1	2	1	1	1	2	2	1	1	1	1	1
17	1	1	1	2	2	2 2 0	3 2 0	3	1 3 2 0	3	3	2	3	3		3				0	0	1	1	0	2
18	1	1	1			2	2	2	2	2	1	1	1	0		1	2		-	1	1	2	2	- 1	1
19	0	0	C		0			0	0	0	0	0	0	0	••••	0			1	1	1	1	1	- 1	0
20	1	1	1	1	,	2	2	3	3	2	2	2	2	••••	2	2	2	2	1	••••	••••	••••	••••	••••	2
21		••••	••••	••••	••••		••••	•••	• • • •	1	1	1	1	1	1	1	1		- 1	- 1	1	1	1	1	*****
22		1	1	1	1	1	1	2	3	3	3	3	2	2					1	1	1	1	1	1	2
23	1	1	2	2		1	1	1	1	1	3	4	2	1	2		3		5 3 0	8	11	8	8	7	3
24	5	4	3			3	3	3	3	1	2	3	3	4	3				3	3	4	4	3	4	3
25	4	4	3				2	2	2	1	- 1	1	1	- 1	0	1	0		0	0	0	0	0	0	1
26	0	. 0) 1	0	1	1	1	1	2	1	1	2	1	1	1	7 -000	2	2		1	1	1	1	1
27	0	0	2	1	2	2	. 1	0	0	0	0	1	0	7	- 1	- 1		1	1	••••		- 1	1	••••	1
28		****	••••		****		**** *	•••		****	••••	****	****	****		****		****	****	****		****		3	
29	2	1	2				1.	•••	2	1	••••	3	2	****	2	2	2	1	2	2	2	2	2	2	
30	1	2	2	2	1	1	2	2	3	3	3	3	3	2	2	2	1	2	1	1	1	2	1	1	2
31	1	2	2	2	2	2	1	1	1	1	2	2	2	****	1	1	1	0	1	2	2	1	٥	0	1
MEAN	2	2	4	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	2	2	2	2	2	1.7

PERCENTAGE OF DATA VALID - 86.3

PERCENTAGE OF DATA INVALID - 13.2

PERCENTAGE OF DATA UNAVAILABLE - 0.5

NOTES 1. "**** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

POLLUTANT - SULPHUR DIOXIDE UNITS - 0.01 PARTS/MILLION STATION - SW NO 15001 WESTERN FAIR GROUNDS KING/RECTORY, LONDON MONTH - FEB 77 6 7 B 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 MEAN HOUR 5 9 11 12 13 14 15 16 17 18 19 20 2 2004002500 1 1 0 **** 2 -5 5 0 0 0 000000 0 1400 7 0 2 0 0 0 0 0 21 22 23 24 25 26 27 28 0 1

PERCENTAGE OF DATA VALID - 96.4

PERCENTAGE OF DATA INVALID - 2.7

PERCENTAGE OF DATA UNAVAILABLE - 0.9

- 2. -- INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNITS - 0.01 PARTS/MILLION

	FU	LLUIA	100.1	SUFEE	101 01	UNIVE																			
	ST	ATION	· 5W	NO.	15001		WESTE	RN FA	IR GR	OUNDS	KING	/RECT	ORY,	ONDO	r.	MON	TH -	MAR	77						
HOUR	1	2	3	4	5	6	7	8	9	10	13	12	13	14	15	1.6	17	18	19	20	21	22	23	24	MEAN
- 4	4	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	0	0	1	1	1	0	-	0	4
	*		1	2	2	2	1	1	1		****		****			1	3	2	1	1	1	1	1		1
2	- 1	- 1	1	1	0				ó	ó	1	2	2	2	2	2	4	2	2	2	2	1	2	2	1
3	2	1	- 1	1				0	ő	0	o	ō	0	0	ō	0	0	1	1	1	1	1	1	1	1
4	2	1	1	- 1		- 0	- 4		7	- 7	ĭ	1	0	1	1	1	0	1	1	2	1	2	1	2	1
5 6	1	1	- 1	1			- 4		- 1	2	- 1	4	,	1	- 1	2	2	2	1	2	2	2	1	1	1
7	2	1	****	1						****				****	****			****	****	****	****		****	****	*****
7	****								****				****	****		1	1	1	1	1			1	2	*****
8					4			1		4		1	1	1	2	2	- 1	- 1	- 1	1	1	1	1	1	1
9	1	2	1	- 2	- 1	- 1	- 1	4	- 2					****		****		****	****		****		****	****	*****
10	1	- 1	- 1	3			,		9.																
											****	****	****	****	****		2		3		1	1	1		*****
11	0	0		0			****						0		0		****	****		****	****			****	*****
13			0										DATA	INVA	LID -										
14	****							****			0		1	1	0	1	0	- 1	0	0	1	1	1	1	*****
	0	0	0	0		D		0			0	3	****	4	4	4	5	4	4	3	2	2	2	2	2
15		U	1			1		1		4		9			- 1	1	1	1	1	1	1	1	1	1	1
	1	- 1		- 0	- 4	- 2				- 1	1	1	- 1	1	1	1	1	1	1	- 1	1	0	0	0	
17	ò	2		0	- 4	- 1	- 1	- 1		ò	- 1	9	2		1	1	1	1	1	1	1	1	1	1	
	1	1			- 4	- 1	2	4	- 1	2	2	2			2	2	2	2	2	2	2	- 1	1	1	
19	1	- 1	2	2	- 1	2	2	2		2	2	- 1	5				2	1	1	1	2	2	2	1.	2
20	- 1	,	2	2		-	_	-	_		-		-	-		_						1	1	1	2
21	-1	2					2	1	2	2	2	3							1		1	i		î	
22	3	3	2				1		1	1	1.	1	1			1								o	
23	1	1					1		1	1								1				0			
24	0	0	0				0	0	0	0				0					0			0			
25	0	0	0	0	0	1	1		1	0															
26	0	0	1	-1			1	1	2	1															
27	0	0	0	4	3	1	0	1	2	3			8			5	4	3			1	1	1	1	
28	0	0	0	0	1	1	1	1	1	0		1	1	2	- 1	1	1	1	1	1	1	- 1		- 1	
29	1	2	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	-	- 1	1	0			
30	1	0		0	0	0	1	2	2	2	2	2	2	1	1	- 1	1	1	1	1	1	, 1	1	3	
31	1	1	1	. 1	1	1	0	0	0	1	0	1	1	1	0	0	0	0	1	0	0	0	0	. 0	0
MEAN	.1	1	1	1	1	1	1	1	1	1	1	2	2	2	1	2	1	1	1	1	1	1	1	1	1.2

PERCENTAGE OF DATA VALID - 81.6 PERCENTAGE OF DATA INVALID - 17.9 PERCENTAGE OF DATA UNAVAILABLE - 0.5

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	PO	LLUTA	NT -	SULPH	IUR DI	OXIDE								UNITS	- 0.	01 PA	RTS/M	ILLIC	N						
	ST	ATION	1 - SV	NO.	15001		WESTE	RN FA	IR GR	OUNDS	KING	/RECT	ORY,	ONDON	í.	MON	тн -	APR	77						
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	. 19	20	21	22	23	24	MEAN
1 2 3	0 1	0	0 1 0	0 1 0	1 1 0	1 1 0	1 0	1		0		1	!	1 2	2			••••	::::		::::				
4	****	****			****			0	0	0	0	0	0	0	0	1	1	ő	ő	o	o	o	0	0	0
5	0	0	0	0	0	0	0	0	0	o	ő	o	ő	ő	ő	o	0	0	o	0	0	0	0	0	0
7	0	0	0	0	1	4	3	2	1	2	1	0	ō	ō	o		1	1	1	1	1	0	0	0	1
8	ő	1	1	o	ò		0	1	1	1	1	1	1	1	1	1	1	1	1	1	- 1	1	0	0	3.
9	ő	o	o	0	ō	0	1	1	1	1	1	1	1	1	1	3.	2	1	1		0	0	0	0	
10	0	0	Ö	0	1	1	1	1	1	1	1	1	1	2	2	3	2	2	1	1	1	- 1	1	0	1
		-											2					1	1	- 1		1	1	1	1
11	0	0	0	0	0	0	0	0	1	1	1	1	- 8	- 1	1	1	1	4	4	3		- 0	****	2	2
12	1	1		1	- 1			1	0	1		1	1	1	2		1	- 7	1	0	0	0	0	0	2
13	2	2	2	2	2	2	3		3	3	- 1	2	2	2	2		ó	o	ò		ő	ő			0
14	0	0	0	0	0	0	0	0	0	0		0	0		0		1	1	1			1		1	*****
15	****	****	****	****	****	****	****	****	****	****	0	0			0		2	2	2		2	2		1	2
16	2	2	1	- 1	1	1	1	2	2	2	1	2	2	2	2		2	2	3					1	2
17	2	1	1	1	1	1	1		2	2	2	- 1	2				- 1	- 1	1		-	1	1	1	1
18	3	2	2		2	2	2	1	1		1	1	3	3			4	4	4	3	3	3	3	3	2
19	1	1	1	1	1	- 1	1	- 3	2	2	2	3	4	3			5	4	4		2		1	1	3
20	3	3	2	2	2	2	2		2	2	2	3	4	3	3	-		-	-	-	•				
21	2	1		1	1	1	2			3			2					1	1		1	1	1 0		
22	1			1	1	1	1																		
23	0				****				-												0				
24	0	****	0						~	0													-		
25	0																								
26	0																0	1	0		ő				
27	0												0				0								. 0
28	*	~									0												1	-	1
29	0			0	0			0	0			3	2	1	1	- 1		- 1	- 2		1		2		
30	1	1	1	1	1	,	1	1	1	2	1	1	1	1	1	1	1	,	1	1	,				
MEAN	- 1	1	1	1	1	1		1	1	1	1		1	- 1	1	1	1	1	1	1	- 1	1	1	1	0.8

PERCENTAGE OF DATA VALID - 88.8 PERCENTAGE OF DATA INVALID - 10.1 PERCENTAGE OF DATA UNAVAILABLE - 1.1

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

	ST	ATION	- SW	NO.	15001		WESTERN	FAIR	GR	OUNDS	KING	/REC	TORY, L	ONDON		MON	TH - 1	MAY	77						
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
-			- 1	1	1	i	2	3	2	3	3	5	3	3	3	3	3	3	3	2	2	2	2	1	2
1	1	1	- 1	1	i	ò	1	ō	ō	ō	0			0	0	1	0	0	0	0	0	0	0	0	0
2	ò	ò	ò	ó		ő	ò	ŏ	ŏ	ŏ		2	0	0	0	0	0	1	1	1	1	1		0	0
3	0	1	1	1		ĭ	ĭ	ĭ	0	ĩ	1	1	1	1	-	1	1	1	8.	1	1	1	3	1	1
4		- 1	1	'n		ò	ó	ò	ò	o	0	2	3	2	1	1	1	1	1	1	1	0	0	1	1
5		- 1	- 1		- 1	1	1	ĭ	õ	ŏ	ŏ	O	0	0	0	0	0	0	0	0	0	0			0
6									•••					0	0	0	0	0	0	0					
7								0	0	0			****						****				••••	****	
8	100	0	0				****		•••	o	0	C	0	0	0	0	0	0	1	1	0	0	0	0	0
10	0	1	ĭ	0	0	0	1	î	1	1	1	1	4	1	1	1	1	1	1	1	1	1	1	1	1
10		- 1	,					- 1																	
11	1	1	1	- 1	1	1	1	0	0	0	0		0	0	0	0	1	1		0		1	1	1	. 1
12	ò			- 1		1	1	1	ñ	1	2	- 2	1	1	1	2	2	2	2	3	2	2	2		
13	2							2	- 1	1	1	. 1	1	1	1	1	1	1	1	1	1	1	1	0	
14	ő			- 7		2	2 2	4	2	1	1	•	1	2	2	1	2	1	1	1	1	1	1	0	
15	ŏ				'n			1	2	2	1	1	1	1	1	1	1	1.	1	1	1	1	1	1	
16	1			0	0	1		1	1	2	1	1	1	1	2 2	3	2	2	2 3	2	2	2			
17	2				3	2		3	3					2 2	2		2	2	3			2	1		
18	î		- 7	1			2	1	1	1	1	9	2	2	1	1	1	1	1	1	1	1	1		
19	ò			ó		0	0	0	0	0	0		1	1	1		1	1	1	1	1	1	0		
20	ŏ		ŏ			ō		0	1	2	3		2	2	2	2	3	2	2	2	2	1	2	1	,
20			•		2 6						_				_		3	3	3	3	2	2	3	2	2
21	1			1		1		1	2	5	5		4	4	2		2	2	2	1					2
21	2	2		1	1			3	3	3	2		2		2	- 1		2	2		0 0	2			
23	1	2	1					1	1	1	1	- 1	0 0		0			ő	ő	3 0	ñ	ō	- 7	ō	
24	2						0	1	1	1	0							ĭ	ĭ	ĭ	0	0	0	0	
25	0		••••) 0	0	0	0	000	0	0 2 3		0 0				i	- 4	- 4	ò	ŏ	ŏ	ō	0	0
26 27	0				0		0	0	0	ŏ	ŏ		2 2					- 4	- 4	ĭ	1	1	1	- 1	1
27	0	0			0		0	0	0	4	- 4		2 2				2	ż	2	2				1	2
28	1	1	0						5		1		1 1		1		1	- 7	- 7	- 7	1			. 1	1
29	1	1	1	1	1			1	1	1	0		0 1	- 1	- 1	- 1	- 1	- 4	- 1	- 4	•		1	. 1	1
30	1	1	1	1	1	,	1	1	0	0	U		, ,	•	,					•					
31	1	1		1	1 1	1	2	1	1	2	2		2 3	3	4	3	3	3	3	3	2	2	2	2 1	2
MEAN	1	1	1		1 1	1	1	1	1	1	1		1 1	1	1	1	1	1	ļ	,	1	1	1	1	1.1

PERCENTAGE OF DATA VALID - 92.3 PERCENTAGE OF DATA INVALID - 6.7 PERCENTAGE OF DATA UNAVAILABLE - 0.9

NOTES 1. ****** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. *- INDICATES DATA IS UNAVAILABLE
- 3. ******* INDICATES LEJS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POLL	UTANT	. s	ULPH	UR DI	3 I I X							L	NITS	- 0.0	1 PAR	TS/MI	LLION	4						
	STAT	ION -	SW	NO	15001	W	ESTERN	FAIR	GRO	UNDS	KING,	RECTO	RY.LC	NDON		MONT	H - J	UN	77						
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 ME	AN .
1 2 3 4 5 6 7	1 0 0 0 1	1 0 0 0 1 0	1 0 0 0 1 0 0	0 0 0 0 0 0	1 0 0 1 1	1 0 0 1 1 0 1	1 0 1 1 0 1	1 0 0 2 1 0 1	1 0 0 2 1 0 3	1 0 0 1 1 0 2 1	1 0 0 1 1 0 0 0	1 0 0 1 1 0 0 0	0 0 0 0 0	1 0 0 0 0 0	0 0 0 1 1 0 0 0	1 1 0 1 1 0 0 0	1 0 0 1 2 1 0 0 0	10012101	0 0 0 2 2 1 0 1	0 0 0 2 2 1 0 0	0 0 1 1 2 0 0	0 0 1 1 1 0 0	00010200	0 0 1 0 2 0 0	1 0 0 1 1 0 0
8 9 10	0	0	0	0	0	0	0 0 0	0 0	3 2 0 0	0	0	0	0	0	0	0	0	ò	0	0	0	0	0	0	0
11 12 13 14 15 16 17 18	0 1 0 1 0 2 0 0 0	0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0100002000	1 0 2 0 0 0 0	1 0 0 1 0 2 0	0 1 0 1 2 1 0	0 1 0 1 0 1 0	0 1 0 1 1 0 1 0	0 1 0 . 0 1 2 0 1 0	0 1 1 1 1 0 1 1	0 1 0 0 1 0 1 0	0 1 1 1 2 1 0 1 0	0 1 2 1 2 1 0 1 1	1 1 1 2 1 0 1 0	1 1 1 2 1 0 1 0	1 1 1 2 1 0 1 0	1 1 2 - 1 0 1 0	1 1 2 2 1 0 1 0	1 1 2 1 0 1 0	1 1 2 1 0 1 0	2011131010	0 1 1 2 1 0 0 0	201012000	1 0 1 0 0 0 0 0	1 1 1 1 0 1 0
21 22 23 24 25 26 27 28 29	0 0 0 1 1 1 1 1 0	0000201111	0 0 0 0 2 0 1 1 1 1	0000	0	0 0 0 0 0 1 1 1 1	0 0 0 0 0 0 1 1 0	0 0 0 1 0 1 1 1	0 0 1 1 0 0 1 1 1	0 0 1 1 1 1 1 1 1 1 1 1 1 1 1	0 0 1 2 1 1 1 1	0 0 1 2 1 1 2 1 1 1 1	0 0 1 3 1 1 2 1 1 1 1	0 1 3 1 1 2 1 1 1	0 0 1 2 1 1 2 2 0 1	0 0 0 2 2 1 2 2 1 1	0 1 0 3 1 1 3 2 1 2	0 0 2 1 1 3 2 0 2	0 0 1 3 1 1 3 2 0 1	0 0 3 1 1 2 2 1 1	0 0 1 2 1 0 2 2 0 1	0 0 1 1 0 2 2 0 1	0 0 1 1 0 1	0 0 1 1 0 1	0 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
MEAN	0	0	0		0	0	0	1	1	1	1	1	1	1	1	1	1	1	.1	1	1	1	0	0	0.6

PERCENTAGE OF DATA VALID - 97.8

PERCENTAGE OF DATA INVALID - 0.8

PERCENTAGE OF DATA UNAVAILABLE - 1.4

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ******* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNITS - 0.01 PARTS/MILLION

	ST	ATION	· SW	NO	15001		WESTER	N FA	IR GR	OUNDS	KING	/RECT	ORY, L	ONDON	E.	MON	th -	JUL	77						
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1.	1	1	1	1	1	1 0	1	1	1	1 0	1	1 0	1 0	1	1	1	1	1	1	1	1	1	0	1
2	0	0	0	0	0	ó	1	1	1	- 2	ĭ	1		1	1	1	1	1	1	1			1	1	1
3	0	0	0		Ÿ	·	- 1	- 1	2			- 4		- 1	2	2	2	2	2	2	2	1	1	1	1
-	- 1	- 1	- 1	- 1	- 1	1	- 1	- 1	ő	- 1	1	i	1	1	- 1	1	1	- 1	1	1	1	1	1	2	1
2	2	2	2	2	- 1		- 1	2	2	2	3	3	****	4	3	3	2	2	2	2	1	1	1	0	2
7	ő	0	ő			0	0		ō	ō	0	0	1	1	1	1	0	1	0	0	0	0	0	0	0
á	0	0	0	0	0	o	0	0	0	0	ō	o	0	****		****	****	****	****		****			****	*****
9							-			100		-	DATA	INVAL	LID -										
10														INVAL											
10																									
11		****			****	****	****			****	****	****	****	****		****	2	2	3	5	7	5	3	2	*****
12	2	2	1	1	1	1	1	1	1	1	1	1	2	1	1	1	2	2	2	2	2	2	1	1	1
13	- 7	1	- 1	1	1	1	0	1	0	0	0	0	0		0	0	0	0	****	0		0	0	0	0
14	o	0	0	0	0	0	0	0	0	0	0		0		0	0	0	0	1	2	2	1	2	2	0
15	2	3	3	2	2	3		-	2	3	3	3	3	1		* *		****	1	1	1	0	0	0	2
16	ō	0		0	0	0	0	0	0	2	1	1	1	1	1	1	1	- 1	1	1	****	1	1	1	1
17	1	1	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	0	1	1	1	0	0	0	1
18	0	0	0	0	0	0	0	0	0	-	1	****	2	3	2	2	1	1	1	- 1	1	1	1	1	- 1
19	2	1	1	1	1	1	1	1	1		0	1	2		2	1	1	- 1	1	1	1	- 1	1	2	1
20	2	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	3	2	2	2	2
21.				2		1		1	4	1	1	1	1	1	1	1	1	1	1	í	1	0	1	0	1
22	2			1	ò	ò	ò	ò	ò	ó	o	ò	o				1	2		1	0	0	0	0	0
23	0			ò	0	ő	o	o	ő	0	0	ō	0				0	1	1	2	2	1	1	1	0
24		1	1	1	1	1	1	1	1	2	3	1	- 1	2				2	1	1	1	1	2	1	1
25	- 1	- 1	- 1	- 1	- 1	- î	1	0	o	1	0		****						0	0	0	0	0	0	0
26	o	ó	o	ó	0	Ó	0	0	0	0	0	0	0	0	0	0	0	0	0	-				****	0
27	****			****		****	****	****	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0	
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	- 1			-	****	3	2	2	2	1	1
29	1	1	o	o		0	****	0	0	1	1	1	1	1	2	2				1		1	0		
30	ó	0		0		0	****	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	-			-					-														_		
31	0	0	0	0	0	0	0	0	1	1	1	2	2	1	1	1	1	0	1	1	1	1	0	0	1
MEAN	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.8

PERCENTAGE OF DATA VALID - 84.4 PERCENTAGE OF DATA INVALID - 13.3

PERCENTAGE OF DATA UNAVAILABLE - 2.3

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. *- INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POLL	UTANT	- S	ULPH	UR DIO	XIDE							1	JNITS	- 0.0	1 PAR	RTS/MI	LLION	4						
	STAT	ION -	SW	NO	15001		WESTERN	FAIR	GRO	UNDS	KING	/RECT	ORY, L	NOON		MONT	тн - д	UG	77						
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 M	EAN
1 2 3 4 5 6 7 8 9	0 0 1 1 2 1 0 0 0 0	0 0 1 1 2 2 0 1 0 0	0 0 1 1 2 2 0 1 2	0 0 0 1 1 0 0 0 1	0 0 1 1 3 1 0 0 0 0 0	0 0 0 1 1 0 0 0	0 0 0 1 1 0 0 0 1	0 1 1 2 1 1 0 0 0 1	0 1 1 2 1 1 0 0 0	0 1 1 2 1 0 1 0 1	0 0 1 1 2 1 0 0 0 0	0 1 1 1 2 1 0 0 0 0	0 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0 1 1 2 1 1 0 0 1	0 0 2 1 1 1 0 0 1	0 1 2 1 1 1 1 1 0 1	0 1 2 2 1 1 1 0 1	0 1 1 2 2 1 1 1 0 1	0 1 1 2 2 1 1 1 0 1	0 1 1 2 2 1 1 1 1 1 1	0 1 1 2 2 1 1 1 1 1 1	0 1 1 2 1 1 1 1 1 1 1 1	0 1 1 2 2 0 1 1 1 1 1	0 1 1 2 1 0 0 0 0 1	1 1 2 1 0 0 0 1
11 12 13 14 15 16 17 18 19 20	1 0 2 1 0 0 1 0 0 0	1 0 2 1 0 0 0 0 0	1 0 2 1 0 0 1 0 0 0	1 0 1 1 0 0 0 0 0	0 0 1 1 0 0 0 0	0 0 1 1 0 0 0 0	0 0 1 1 0 0 0 0 0 0	0 0 1 1 0 0 0 0	1 0 1 1 0 0 1 1 1	1 0 0 0 1 1 0 0 0 1 1 0 0 0 0 1 1 1 0 0 0 0 1 1 1 0 0 0 0 1 1 1 0 0 0 0 0 1 1 1 1 0 0 0 0 0 1	1 0 1 0 0 3 1 0	. 1 0 0 0 2 1 0 0 1	5 1 1 0 0 0 2 1	6 1 0 0 1 0 0	4 1 1 0 1 2 0 0 2 2	3 1 1 1 1 0 0 2 2	2 1 0 1 2 1 0 0 2	1 1 0 1 1 1 0 0 2	0 1 1 0 1 1 0 0 2	0 1 1 0 0 0 0 2	0 2 1 0 0 1 0 0 1	0 0 0 1	0 2 2 0 0 1 0 0 0 1	0 2 1 0 0 0 1	1 1 0 0 1 1 0 0 1
21 22 23 24 25 26 27 28 29 30	1 1 2 0 0 0 2 1	0 1 2 0 0 0 1 1 1	0 1 2 0 0 0 1 1 1 0	0 1 2 0 0 0 1 1 1 0	0 1 3 0 0 0 0 1 1 1 0 0	0 1 2 0 0 0 1 1 1 0	1 2 0 0 0 0 1 1	1 1 0 0 0 1 1	1 1 0 0 0 1 1 1 0	1 1 1 0 0 1 1 1	2 1 1 0 0 2 1 1 0 0	2 1 0 0 0 2 1 1 1 0	2 2 0 0 0 3 1 1 0 1	3 2 0 0 3 1 1 0	3 2 0 0 4 1 1	3 2 0 0 5 1	2 0 0 0 5 1 1 0 1	2 3 0 0 0 7 1 1 0 1	2 3 0 0 6 1 1	2 3 0 0 4 1 1	2 3 0 0 4 1 1	2 3 0 0 4 1 1	2 4 0 0 3 1 1 0	2 3 0 0 0 0 2 1 1 0 0	2 2 1 0 0 0 2 1 1 0 0 0
31 MEAN	1	0	0	0	0	0	0	0	0	2	2	3	3	2	1	2	2	1	2	2	2	1	2	1	0.8
m C min	8								9.0							,									

PERCENTAGE OF DATA VALID - 99.1 PERCENTAGE OF DATA INVALID - 0.8 PERCENTAGE OF DATA UNAVAILABLE - 0.1

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNITS - D.O1 PARTS/MILLION

	STA	TION	- SW	NO	15001		WESTERN	FAIR	GR	OUNDS	KING	/RECT	ORY.L	ONDON		MON	TH -	SEP	77						
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 N	IEAN
1 2 3 4	1 0 0	1 0 •		1 0 0	1 0 0	0 0	1 1 0	1 1 0	1 0 0	2 1 0 0	2 1 0 0	1 0 0	2 1 0 0	2 0 0	0	2 1 0	0	0 0 2	1 0 0 3	1 0 0	1 0 0	1 0 0	0 0	0	1 1 0
5 6 7 8 9	0 0 1 1	0 0 1	0 0 1	0 0 1	0 0 2 1	0 1 0 2 1	1 0 1 0 2 1	0 0 1 1 3	0 1 1 3 1	 1 0 3	 1 0 3	0 0 3 0	0 1 1 3	0 1 1 4 0	0 1 1 4	0 1 1 3 0	0 1 1 2	0 1 1 2 0	0 1 1 2 0	0 1 1 2	0 0 1 1	0 0 0 2 0	0 0 0 1	0 0 0 1 0	0 1 0 2 0
11 12 13 14 15 16 17 18 19	0010000001	0010001011	0 0 1 1 0 0 1	0 0 1 1 0 0 1 1 1 1	0 0 0 0 0 0 1 1 1	0 0 1 1 0 1 1 1 1	0 0 1 1 0 1 0 1 1 1 1 1	0 1 0 0 1 1 1 1 1	0 1 0 1 0 0 1 1 1 1	0 1 1 1 1 0 2 1 1 1	0 2 0 2 1 1 1 1	0 2 0 1 0 0 1 1 1 1	0 4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0	0	0 1 1 0 0 0 1 1 1 1 1 1	0 1 2	0 1 2 0 1 2 1 1 1	0 1 2 0 0 0 1 1 1 1 1	0 1 1 0 0 0 1 1 1 1 1	0 0 1 0 0 1 1	0 - 1 0 0 1 0 1 0	0 0 0 0 1 1 0	0100000010	0 1 1 0 0 0 1 1 1 1 1 1
21 22 23 24 25 26 27 28 29 30	0 1 1 0 0 1	1 1 1 1 1 1 0 0 0 1	0 1 1 0 0 1 1 0 0 1	1 1 1 0 1 1 0 0 2	1 0 1 1 0 0 1 1	1 1 1 0 1 1 0 0 1	1 1 1 1 0 1 0 0 1	1 1 1 1 0 1 1 0	1 1 2 0 1 - 0 1 0	1 1 2 1 1 	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 0 1 2	1 1 1 1 1 1 0 0 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 0 0 1 2	1 1 1 2 1 1 0 1 2	0 1 1 1 2 1 0 1 2	1 2 1 1 1 2 0 0 1 2	0 2 1 1 1 0 1	1 1 1 2 0 0 1 1	1 1 1 1 1 0 0	1 1 1 1 1 0 0	0 1 1 1 0 0 1 1 1	1 1 1 1 0 1 1 1
MEAN	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0.7

PERCENTAGE OF DATA VALID - 96.8

PERCENTAGE OF DATA INVALID - 2.1

PERCENTAGE OF DATA UNAVAILABLE - 1.1

NOTES 1. "**** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

POLLUTANT - SULPHUR DIOXIDE UNITS - 0.01 PARTS/MILLION STATION - SW NO 15001 WESTERN FAIR GROUNDS KING/RECTORY.LONDON MONTH - OCT 77 7 9 10 11 12 13 14 15 16 17 18 20 21 22 23 0 11 12 13 14 15 16 17 18 19 20 0 0 0 15 0 00 0012201 0 2 0 0 1 1 0 2 2 2 2 1 011201 21 22 23 24 25 26 27 28 29 30 3 31 1 0 0 0 0 0 0 0 MEAN 2 1 0.9

PERCENTAGE OF DATA VALID - 97.3

PERCENTAGE OF DATA INVALID - 2.6

PERCENTAGE OF DATA UNAVAILABLE - 0.1

- 2. *- INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

	STA	TION	- 5W	NO	15001		WESTERN	FAIR	GROUN	IDS	KING	/RECT	DRY.LO	NDON		MON	тн - 1	VOV	77							
HOUR	1	2	3	4	5	6	7	8	9 1	0	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1 2 3 4 5 6 7 8 9	2 1 1 1 0 1 0 0 0	2 1 1 1 1 0 1 0 0 0	1 1 1 1 1 1 0 0 0	1 1 1 0 0	1 1 1 1 1 0 0	1 1 1 0 0 0 0	2 1 1 1 1 1 1 0 0 0 0 0	2 0 0 1 1 1 0 0 0 0	2 1 1 1 1 1 1 0 0 0 0	3 2 1 1 1 1 0 0 0	1	3 2 1 1 1 0	3 2 1 1 1 0 0	3 2 1 1 1 1 0 1	3 2 1 1 1 0 0 2	3	3 1 1 2 1 1 0	1 1 0 0 1 1 0 0 2	1 1 1 1 1 0 0 0	1 0 0 0 1 0	2 1 0 1 1 1 0 0	1 0 1 0 1 0 0 1	1 1 0 1 1 1 0 0 1	1 1 1 0 0 1 0 0 1		2 1 1 1 1 0 0 1
10 11 12 13 14 15 16 17 18 19 20	0 0 1 0 1 1 1 1 0 0	0 0 1 0 1 1 0 1 0 0	0 0 1 1 1 1 1 1 1 0	1 0 0 1 1 1 1 1 0 0	1 0 0 1 0 1 0 0	1 0 0 1 2 0 1 1 1 0 0	1 0 0 1 1 1 1 0 0 0 0	0 0 1 1 1 0 0 0 0	0 0 1 1 2 1 1 1 1 0	1 0 1 1 1 1 1 1 1 0	1 1 2 2 1 1 1 0	0 1 1 1 2 2 1 1 1 1 1 1	0 1 2 1 2 2 1 1 1 1 1 1	0 1 1 1 2 1 1 1 0 1 1 1	0 1 1 0 0 1 1 1 1	0 1 1 0 1 0 0 1	0 3 0 1 1 1 0 0 1	1 0 2 0 0 1 0 0 0 1	1 0 1 0 0 1 0 0 1	1 0 1 0 0 0 1 0 0 0 0 2	1 0 2 1 0 0 0 1	1 0 2 0 1 1 0 0 0 0 2	1 0 2 0 1 1 0 0 1 0 2	0 2 0 1 1 1 0 1 0 2		1 0 1 1 1 1 1 0 1
21 22 23 24 25 26 27 28 29 30	2 1 0 2 1 1 0 0 1 1	1 1 0 2 1 0 0 0 2 -	1 1 0 1 1 0 0 0 3 2	1 1 0 1 1 3 2	1 0 1 1 1 0 1 3 3	1 1 0 1 0 1 1 2 3 3 3	1 1 0 1 0 1 2 2 4 3	1 0 1 0 1 1 1 1 2	1 1 1 0 0 0 1 1 1 1	0 1 1 1 1 2 1 2 -	2 1 0 2 0 0 1 2 3 2	1 0 1 2 0 0 1 2 2 2	2001001222	2 1 0 1 1 0 1 2 2 2 2	2 0 0 1 1 0 1 1 1	2 0 0 1 1 0 0 3 1 1	20001	1 0 1 1 0 0 1 1 1 1 1	2 0 2 1 1 0 0 1 1 1	2 0 2 1 1 0 0 1 1 1	1 0 3 1 1 0 0 1 1 1 1	0 3 0 1 0 0 1 1 1	1 0 2 0 1 0 0 1 1 1 1	1 0 2 0 1 0 0 1 1 1		1 1 1 1 0 1 1 2 2
MEAN	1	1	1	- 1	3.	1	1	1	1	Ĺ	1	1	1.	1.	1	1	1	1	1	1	1	1	1	1	0.	8

PERCENTAGE OF DATA VALID - 97.8 PERCENTAGE OF DATA INVALID - 0.7

PERCENTAGE OF DATA UNAVAILABLE - 1.5

NOTES 1. ****** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "." INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POLL	UTANT	- S	ULPH	UR DIO	KIDE	E						U	NITS	- 0.0	1 PAR	TS/MI	LLION	4						
	STAT	ION -	SW	NO	15001		WESTERN	FAIR	GROU	JNDS	KING/	RECTO	RY, LO	NDON		MONT	н - р	EC	77						
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 M	EAN
1 2 3 4 5 6 7 8 9	1 1 1 0 0 1 2 2 0	0 1 1 1 0 0 0 2 2 0	0 1 1 1 0 0 0 2 2 0	0 1 1 0 1 0 2 2 0	0 1 1 1 0 0 0 0 2 2 1 1	1 1 1 0 0 2 2 1	1 1 1 1 1 0 0 2 2	1 1 0 1 1 0 0 3 2 0	2 1 0 1 1 0 0 3 2 1	2 1 0 1 1 0 0 3 2 1	2 1 0 1 1 0 0 2 1 1	1 1 0 1 0 0 2 2 1	1 0 0 0 0 0 1 1	1 0 1 1 0 - 2 1 1	1 0 0 0 0 0 1 3 1 0	000000000000000000000000000000000000000	1 0 0 0 0 0 0 2 2 0 0	1 0 0 0 0 1 1 1 2 1	1 0 0 0 1 1 1 1 1 1 1 1	1 0 0 0 1 1 0 1 1 2	1 0 0 0 0 1 1 1 1 2	1 0 0 0 0 1 1 1 2	1 0 0 0 0 1 1 1 2	1 1 0 0 0 1 1 1 1 2	1 0 0 0 0 0 0 2 2 1
11 12 13 14 15 16 17 18 19 20	2 2 1 0 4 2 1 0 0	3 1 1 2 0 3 2 1 0 0	4 0 2 1 0 2 2 2 2 0 0	4 0 2 1 0 1 1 2 0	3 1 1 0 0 1 1 1 0 1 1	3 2 2 0 0 1 2 1 0 1	2 3 1 0 0 1 2 1 0 1	3 1 0 0 1 2 1	3 4 1 1 0 2 2 2 0 1	3 4 1 1 1 2 1 0	2 2 1 0 4 2 1 0 1	2 2 1 1 4 2 1 0 1	2 2 1 1 1 4 1 1 0 1	3 2 1 1 1 4 1 1 0 0	2 2 1 0 1 3 2 1 0 0	3 2 2 0 1 2 1	2 2 2 0 1 2 1 - 0 1	3 2 1 0 1 2 1 1 0 1	1 2 1 0 1 2 1 1 0 1	2 1 0 2 2 1 0 0 1	3 2 1 0 1 2 1 0 0 0	2 1 0 0 0 0	2 2 1 0 2 2 1 0 0 0	2 1 0 4 3 1 0 1 0	3 2 1 0 1 2 1 1 0
21 22 23 24 25 26 27 28 29 30	0 1 1 1 1 1 1 1 2 2 2	0 1 2 1 1 1 1 1 1 2	0 1 2 1 1 1 1 1 2 2 2	0 1 2 1 1 1 0 2 1	1 2 2 1 1 1 2 0 2 1	1 2 2 1 1 2 2 2		0 2 2 1 1 1 1 1 1 1 1 2	0 2 2 1 1 1 1 1 1 2	0 2 1 1 1 1 1 1 1 1 3	0 2 1 1 2 1 2 1 2	1 2 1 2 1 2 2 3	1 2 1 2 1 1 2 3	1 1 3 1 2 1 1 2 4	1 1 2 3 1 2 1 1 2 6	1 2 2 1 2 1 2 5	0 1 1 2 1 1 1 1 2 3	0 1 2 1 1 1 1 1 3	0 1 1 3 1 1 1 1 2	1 1 4 1 1 2 1 2	1 1 3 1 1 2 1 2	1 1 2 1 1 2 2 1 1	1 1 2 2 1 1 2 2 1	1 1 2 1 1 1 1 2 2 1	1 1 2 2 1 1 1 1 2 2 2
31	1	1	1	1	1	1	ť	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		1
MEAN	1	1	1	1	1	1	1	1	1	1	9		1	- 1	1	1	1	1	1	1	1	1	1	1	1.1

PERCENTAGE OF DATA VALID - 99.3 PERCENTAGE OF DATA INVALID - 0.0

PERCENTAGE OF DATA UNAVAILABLE - 0.7

- 2. -- INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1977

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - SW	NO 15001 WESTERN FA	IR GROUNDS KING/RECTORY.LO	DNDON	
MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	26	1.7	4	11
FEB	28	1.3	4	7
MAR	24	1.2	4	9
APR	27	0.8	3	5
MAY	29	1.1	3	5
JUN	30	0.6	1	3
JUL	27	0.8	2	7
AUG	31	0.8	2	7
SEP	30	0.7	2	4
ост	30	0.9	2	15
NOV	30	0.8	2	. 4
DEC	31	1.3	3	6
YEAR	343	1.0	4	15

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1977

POLLUTANT -	SULPHUR D	IOXIDE				UNITS - 0.0	1 PARTS/MILLION	
STATION -	SW NO 150	01 WES	TERN FAIR	GROUNDS KI	NG/RECTORY	, LONDON		
MONTH	00 TO 04	05 TO 10	11 TO 14	15 TO 25	26 10 39	40 SOVER	TOTAL	
JAN	599	42	1	0	0	0	642	
FEB	634	14	0	0	0	0	648	
MAR	586	21	0	0	0	0	607	
APR	638	1	0	0	0	0	639	
MAY	683	4	0	0	0	0	687	
JUN	704	0	0	0	0	0	704	
JUL	625	3	0	0	0	0	628	
AUG	731	6	0	0	0	0	737	
SEP	697	0	o	0	. 0	0	697	
OCT	719	4	О	1	0	0	724	
NOV	704	0	0	0	o	0	704	
DEC	737	2	0	0	0	0	739	
YEAR	8057	97	1	1	0	0	8156	
FREQUENCY	DISTRIBUTI	ON BY PERC	ENTILES					

PERCENT OF DATA				FREQUENC		TRATIONS					ARITH
VALID	MIN	10	30	50	70	90	95	98	99	MAX	MEAN
93.1	0	0.0	0.0	0.3	0.8	1.8	2.5	3.5	4.3	15	1.0

UNITS - 0.01 PARTS/MILLION

	STA	TION	- SW	NO 1	8001	N	ACKEN	ZIER	R 2 1	IVERT	ON					MONT	H - C	AN	77						
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 M	EAN
1 2 3 4 5 6 7 8 9	000000000	000000000	0 0 0 0 0 0 0 0 0	000000000	000000000	000000000	000000000	000000000	000000000	0000000000	0000000000	000000000	000000000	000000000	000000000	0000000000	0000000000	2000000000	000000000	000000001	00000000000	0000000000	0000000000	0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0
11 12 13 14 15 16 17 18 19	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0	000000000	000000000000000000000000000000000000000	000000000	0000000000	000000000	0000000000	000000000	000000000	000000000	000000000	000000000	002000000	0000000000	0000000000	0000000000	0000000000	000000000	000000000	000000000	0000000000	0 0 0 0 0 0 0	000000000000000000000000000000000000000
21 22 23 24 25 26 27 28 29	000000000	000000000	000000000	000000000	0000000000	000000000	000000000	000000000	000000000	000000000	000000000	0000000000	0 0 1 0 0 0 0 0 0	0010000000	000000000	000000000	0000000000	0000000000	0000000000	0000000000	0000000000	000000000	0000000000	00000000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
31 MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
		2				-	-														0				0.0

PERCENTAGE OF DATA VALID - 99.9

PERCENTAGE OF DATA INVALID - 0.0

PERCENTAGE OF DATA UNAVAILABLE - 0.1

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

POLLUTANT - SULPHUR DIOXIDE UNITS - 0.01 PARTS/MILLION STATION - SW NO 18001 MACKENZIE RR 2 TIVERTON MONTH - FEB HOUR DAY .000000 .000000 1 2 3 4 5 6 7 DATA INVALID INVALID 0 ***** 12 13 14 15 16 17 18 19 20 22 23 24 25 26 27 28 0.0 MEAN

PERCENTAGE OF DATA VALID - 89.0

PERCENTAGE OF DATA INVALID - 11.0

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEJS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNITS - 0.01 PARTS/MILLION

	ST	ATION	. 51	. NO	18001		MACKE	NZIE	RR 2	TIVER	TON					MON	TH - 8	AAR	77						
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 M	EAN
1 2 3 4	0 0 0	0	0 0	0 0	0 0	0 0	0 0	0000	0 0	0 0 0	0000	0 0	0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0 0	0 0 0	0 0 0	0 0 0	00000	00000	0 0
6 7 8 9	000000	000000	0000	0000	0 0 0	0000	0000	00000	0 0 0	0000	00000	0	00000	00000	0 0 0	00000	00000	00000	00000	00000	00000	00000	00000	00000	0000
11 12 13 14 15 16 17 18	000000000	000000000	0000000000	000000000	0000000	0000000000	000000000	000000000	000000000	000000000	000000000		0	000000000000000000000000000000000000000	0000000000	0000000000	000000000	0000000000	000000000	0000000000	000000000	0000000000	000000000	000000000	0000000000
21 22 23 24 25 26 27 28 29 30	000000000	0000000000	0000000000	000000000000000000000000000000000000000	0000000	000000000	000000000000000000000000000000000000000	000000000000000000000000000000000000000	000000	000000000	000000000000000000000000000000000000000	000000	000000000000000000000000000000000000000	0000000	00000000000	0000000000	000000000	000000000000000000000000000000000000000	0 0 0 0 0 0 0 0 0	000000000	000000000	000000000	000000000000000000000000000000000000000	0 0 0 0 0 0 0	0 0 0 0 0 0 0 0
31 MEAN	0	0	0	0		0	0	0		0	0				0	0	0	0	0	0	0	0	0	0	0.0

PERCENTAGE OF DATA VALID - 98.1 PERCENTAGE OF DATA INVALID - 1.9

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POL	LUTANT	• S	ULPH	UR DIO	XIDE							3	UNITS	. 0.0	DI PAR	RTS/MI	LLIO	N						
	STAT	TION -	SW	NO	18001		MACKEN	ZIER	R 2	TIVERT	ON					MONT	TH - A	LPR	77						
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 N	IEAN
1 2 3 4 5 6 7 8 9	000000000	000000000	000000000	000000000	000000000	0000000000	000000000	000000000	000000000	000000000	00000000	000000000	000000000	000000000	000000000	000000000	000000000	000000000	0000000000	000000000	000000000	000000000	000000000	000000000	000000000000000000000000000000000000000
11 12 13 14 15 16 17 18 19	000000000	0 0 0 0 0 0 0 0 0	000000000	000000000	000000000	000000000	0000000000	0000000000	000000000	0000000000	000000000	0000000000	000000000000000000000000000000000000000	0000600000	000000000	0000000000	000000000	0000000000	000000000	000000000	0000000000	000000000	000000000	0000000000	000000000
21 22 23 24 25 26 27 28 29 30	000000000	000000000	000000000	0000000000	0000000000	000000000	000000000	0000000000	000000000	0 0 0 0 0 0 0 0	000000000	0 0 0 0 0 0 0	000000000	000000000	0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	00000000	000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0 0 0 0 0 0 0 0	000000000
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0

PERCENTAGE OF DATA VALID - 99.7 PERCENTAGE OF DATA INVALID - 0.3

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. .. INDICATES DATA IS UNAVAILABLE
- 3. ******* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNITS - 0.01 PARTS/MILLION

	STA	NO1	SW	NO: 1	8001	M	ACKEN	ZIE R	R 2	TIVERT	ON					MONT	H - N	AY	77						
HOUR DAY	1	2	3	4	5	6	7	8	9	10	1.1	12	1.3	14	15	16	17	18	, 19	20	21	22	23	24	MEAN
1 2 3 4 5 6 7 8 9	000000000	000000000	00000000	000000000	0000000000	000000000	000000000	0000000000	000000000	0000000000	000000000	0 0 0 0 0 0 0	0000000000	000000000	000000000	000000000	000000000	0000000000	000000000	0000000000	0000000000	000000000	000000000	00000000	0 0 0 0 0 0
11 12 13 14 15 16 17 18 19 20	000000000	000000000	000000000	0 0 0 0 0 0 0 0 0	000000000	0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	000000000	000000000	0 0 0 0 0 0 0	000000000	0000	0000000000	000000000	000000000	0000000000	0000000000	0000000000	0000000000	000000000	0000000000	0000000000	0000000000	000000000	000000000
21 22 23 24 25 26 27 28 29 30	000000000	0000000000	000000000	0000000000	000000000	00000000	00000000	000000000	000000000	0000000000	000000000	000000000	0000000000	0000000000	0000000000	0000000000	0000000000	000000000	0000000000	0000000000	0000000000	0000000000	0000000000	000000000	0 0 0 0 0 0 0
31 MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0

PERCENTAGE OF DATA VALID - 99.7 PERCENTAGE OF DATA INVALID - 0.1

PERCENTAGE OF DATA UNAVAILABLE - 0.1

NOTES 1. ****** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. *- INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POLI	UTANT	- SU	LPHU	R DIOX	IDE							,	UNITS	- 0.	01 PA	RTS/M	ILLIO	N						
	STAT	ION -	SW	NO 1	8001	M	ACKEN	IE R	R 2	TIVERT	ON					MON	тн -	JUN	77						
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	. 19	20	21	22	23	24 N	EAN
1 2 3 4 5 6 7 8 9	000000000	000000000000000000000000000000000000000	000000000	000000000000000000000000000000000000000	000000000000000000000000000000000000000	000000000	0 0 0 0 0 0 0 0 0	000000000	000000000	0000000000	000000000	0000000000	000000000	000000000	0000000000	000000000	0000000000	0000000000	000000000000000000000000000000000000000	0000000000	000000000	000000000	0000000000	0000000000	000000000
11 12 13 14 15 16 17 18 19 20	000000000	000000000	000000000	0 0 0 0 0 0 0 0	000000000	000000000	000000000	000000000	0 0 0 0 0 0 0 0 0	0000000000	0000000000	****	000000000000000000000000000000000000000		00000000		00000000		000000000000000000000000000000000000000	000000000	000000000	000000000	000000000	000000000	0000000000
21 22 23 24 25 26 27 28 29 30	000000000	000000000	000000000	000000000	0000000000	000000000	000000000	0 0 0 0 0 0 0 0	0000000000	0000000000	00000000	000000000000000000000000000000000000000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	000000000		0 0 0 0 0 0 0 0	000000000	00000000	000000000	00000000	0 0 0 0 0 0 0	0 0 0 0 0 0 0	000000000	000000000	000000000000000000000000000000000000000
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0

PERCENTAGE OF DATA VALID - 98.6 PERCENTAGE OF DATA INVALID - 1.3 PERCENTAGE OF DATA UNAVAILABLE - 0.1

- 2. *- " INDICATES DATA IS UNAVAILABLE
- 3, ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNITS - 0.01 PARTS/MILLION

	STA	TION -	SW	NO	18001		MACKENZ	IE F	R 2	TIVERT	ON					MONT	гн - ,	JUL	77						
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 M	EAN
1 2 3 4 5 6 7 8	0000000	0 0 0 0 0 0	0000000	0000000	00000000	00000000	0 0 0 0 0	00000000	00000000	0 0 0 0 0 0 0	0000000	0000000	0000000	0000000	0000000	0000000	0000000	0 0 0 0 0 0	00000000	0000000	000000	000000	00000000	0000000	0000000
9 10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 12 13 14 15 16 17 18 19	000000000	000000000000000000000000000000000000000	0000000000	00000000	000000000	000000000	000000000000000000000000000000000000000	000000000	000000000	000000	000000	0000000000	000000000	0000000000	000000000	000000000	000000000	00000000	000000000	000000000	000000000	000000000	000000000	000000000000000000000000000000000000000	000000000000000000000000000000000000000
21 22 23 24 25 26 27 28 29 30	000000000	000000000	000000000	00000000	0000000000	000000000	000000000	000000000	000000000	0000000000	00000000	0000000000	0000000000	0000000000	000000000	0000000000	000000000	000000000	000000000	0000000000	0000000000	000000000	0000000000	000000000	00000000
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0

PERCENTAGE OF DATA VALID - 99.9 PERCENTAGE OF DATA INVALID - 0.1

PERCENTAGE OF DATA UNAVAILABLE . 0.0

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "." INDICATES DATA IS UNAVAILABLE
- 3. "***** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POL	LUTANT	- \$	ULPH	UR DIO	KIDE							L	NITS	- 0.0	1 PAR	TS/MI	LLION	l						
	STA	TION -	SW	NO	18001	1	MACKENZ	IE R	R 2	TIVERT	ON					MONT	H - A	UG	77						
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 M	EAN
1 2 3 4 5 6 7 8 9	0000000000	0000000000	000000000	000000000	000000000000000000000000000000000000000	000000000	0000000000	00,000000	000000000000000000000000000000000000000	000000000000000000000000000000000000000	000000000	000000000	000000000	000000000	000000000	000000000	0000000000	000000000	000000000	000000000	000000000	000000000	0000000000	000000000	000000000000000000000000000000000000000
11 12 13 14 15 16 17 18 19	0000000000	000000000	000000000	00000000	0 0 0 0 0 0 0 0	00000000	000000000000000000000000000000000000000	000000000000000000000000000000000000000	000000000	0 0 0 0 0 0 0 0 0	000000000	000000000	000000000	000000000	0000000000	0000000000	0000000000	0000000000	0000000000	000000000	0000000000	000000000	000000000	000000000	000000000
21 22 23 24 25 26 27 28 29 30	000000000	000000000	000000000	000000000	000000000	000000000	0000000000	0 0 0 0 0 0 0 0	000000000	0 0 0 0 0 0 0	000000000	000000000	000000000	000000000	0000000000	000000000	000000000	000000000	000000000	000000000	000000000	000000000	000000000000000000000000000000000000000	000000000	000000000
31 MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0

PERCENTAGE OF DATA VALID - 99.6 PERCENTAGE OF DATA INVALID - 0.1

PERCENTAGE OF DATA UNAVAILABLE - 0.3

- 2. "." INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNITS - 0.01 PARTS/MILLION

	PULL	DIANI		O'L' FISH		1200																			
	STAT	ION -	SW	NO 1	B001	M	ACKEN	ZIE R	R 2 T	IVER1	ON					MONT	H - S	EP	77						
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 ME	AN
1 2 3 4 5 6 7 8 9	000000000	0 0 0 0 0 0 0 0 0	000000000	000000000	000000000	000000000	000000000	000000000	000000000	000000000	0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0	0000000000	000000000	000000000	000000000	0000000000	000000000	0000000000	0000000000	0000000000	0000000000	000000000	0 0 0 0 0 0 0 0	00000000
11 12 13 14 15 16 17 18 19 20	000000000	000000000	0 0 0 0 0 0 0 0 0	00000000	000000000	000000000	000000000	000000000	0 0 0 0 0 0 0 0	00000000	000000000	0 0 0 0 0 0 0 0	000000000	000000000	0000000000	000000000	0000000000	000000000	000000000	000000000	0000000000	000000000	000000000	000000000000000000000000000000000000000	000000000
21 22 23 24 25 26 27 28 29 30	000000000	000000000	0000000000	000000000	000000000	000000000	000000000	000000000	0000000000	0000000000	0000000000	000000000000000000000000000000000000000	000000000	000000000	000000000	000000000	000000000	000000000	000000000	000000000	000000000	0000000000	0000000000	0000000000	000000000
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0

PERCENTAGE OF DATA VALID - 99.7 PERCENTAGE OF DATA INVALID - 0.3

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POL	UTANT	- S	ULPH	UR DIO	XIDE							1	JNITS	- 0.0	1 PAR	TS/MI	LLION	r						
	STÁ	TION -	SW	NO	18001	à	MACKEN	ZIE R	R 2	TIVER	TON					MONT	н - о	СТ	77						
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 ME	AN
1 2 3 4 5 6 7 8 9	000000000	0 0 0 0 0 0 0 0 0	000000000	0000000000	0 0 0 0 0 0 0	00000000	000000000000000000000000000000000000000	000000000	000000000	000000000		000000000	000000000	000000000	000000000	000000000	0000000000	000000000	000000000	0000000000	000000000	0000000000	000000000	000000000	0000000000
11 12 13 14 15 16 17 18 19	000000000	0 0 0 0 0 0 0 0 0 0	000000000	000000000000000000000000000000000000000	0 0 0 0 0 0 0 0	00000000	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0	000000000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	000000000	00000000	000000000000000000000000000000000000000	0 0 0 0 0 0 0	000000000	0000000000	000000000	0000000000	0000000000	000000000	000000000	000000000	0000000000	0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0
21 22 23 24 25 26 27 28 29	000000000	0000000000	0000000000	000000000	00000000	000000000	000000000	000000000	000000000	000000000	000000000	0000000000	000000000	000000000	000000000	000000000	000000000	000000000	000000000	000000000	00000000	0 0 0 0 0 0 0	00000000	0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0
31	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0

PERCENTAGE OF DATA VALID - 99.6 PERCENTAGE OF DATA INVALID - 0.4

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

	STA	TION -	SW	NO	18001		MACKENZ	IE R	R 2	TIVER	TON					MON	тн -	NOV	77						
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1 2 3 4 5 6 7 8 9	000000000	000000000	0 0 0 0 0 0 0 0	000000000000000000000000000000000000000	0	0000000000	000000000	000000000	000000000	0000000000	000000000		000000000	0 0 0 0 0 0 0 0 0	0000000000	000000000	000000000	000000000	000000000	000000000	000000000	00000000	0000000000	0000000000	0 0 0 0 0 0 0 0
11 12 13 14 15 16 17 18 19 20	000000000	000000000	000000000	000000000	0000000	000000000	00000000	000000000	000000000000000000000000000000000000000	000000000000000000000000000000000000000	0000000000	000000000	000000000	000000000	000000000	0000000000	000000000000000000000000000000000000000	0000000000	0000000000	0000000000	0000000000	0000000000	000000000	00000000	000000000000000000000000000000000000000
21 22 23 24 25 26 27 28 29	0 0 0	0 0	0 0 0	0	0	0 0	0	0 0	0 0 0			:	DATA DATA DATA DATA	INVALIG			0 0			••••				••••	
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0

PERCENTAGE OF DATA VALID - 74.4

PERCENTAGE OF DATA INVALID - 25.6

PERCENTAGE OF DATA UNAVAILABLE - 0.0

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. " " INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- -- INDICATES DATA IS UNAVAILABLE 2.
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

POLLUTANT - SULPHUR DIOXIDE UNITS - 0.01 PARTS/MILLION STATION - SW NO 18001 MACKENZIE RR 2 TIVERTON MONTH - DEC 77 HOUR 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 MEAN - DATA INVALID -2 3 4 5 6 7 8 9 12 13 14 15 16 17 18 19 - DATA INVALID 22 23 24 25 26 27 28 29 30 • U 0.0

PERCENTAGE OF DATA INVALID - 40.6 NOTES 1. "***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

... INDICATES DATA IS UNAVAILABLE 2.

PERCENTAGE OF DATA VALID - 59.4

3. "***** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1977

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - SW	NO 18001 MACKENZIE	RR 2 TIVERTON		
MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	0.0	0	2
FEB	24	0.0	0	4
MAR	30	0.0	0	0
APR	30	0.0	0	6
MAY	31	0.0	0	0
JUN	30	0.0	0	2
JUL	31	0.0	0	0
AUG	31	0.0	0	0
SEP	30	0.0	0	0
OCT	31	0.0	0	0
NOV	22	0.0	0	0
DEC	18	0.0	0	0
YEAR	339	0.0	0	6

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

UNITS - 0.01 PARTS/MILLION

0.0

MONTHLY	GROUP	FREQUENCY	DISTRIBUTION	FOR	1977

POLLUTANT - SULPHUR DIOXIDE

STATION -	SW NO	180	01	-)	MACI	KENZIE	RR	2 T	IVER	TON											
MONTH	00 TO	04	05	то	10	11 TO	14	15	то	25	26	то	39	40 &0V	ER	TOTAL					
JAN		743			0		0			0			0		0	74	3				
FEB		598			0		0			0			0		0	59	В				
MAR		730			0		0			0			0		0	73	0				
APR		717			1		0			0			0		0	71	В				
MAY		742			0		0			0			0		0	74	2				
JUN		710			0		0			0			0		0	71	0				
JUL		743			0		0			0			0		0	74	3				
AUG		741			0		0			0			0		0	74	1				
SEP		718			0		0			0			0		0	71	В				
OCT		741			0		0			0			0		0	74	1				
NOV		536			0		0			0			0		0	53	6				
DEC		442			0		0			0			0		0	44	2				
YEAR	8	3161			1		0			0			0		0	816	2				
FREQUENCY	PERCEN	IT.	ON E	BY P	ERC	ENTILE:	5							TRATION							
	OF DAT		MIN	4		10		30	FF	SEQU 50		7 DI		IBUTION 90	і, Р	95	98	1	99	MAX	AF
	93.	2	0			0.0	(0.0		0.0		٥.	0	0.0		0.0	0.0	0	. 0	6	0

UNITS - 0.01 PARTS/MILLION

	STA	TION -	wc	NO 2	1006	P	051 0	FF1CE	BRAN	TFORD	E					MON	гн - 1	JAN	77						
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 M	EAN
1 2 3 4 5 6 7 8 9	0 1 3 1 3 2 1 3	0 0 1 3 1 3 2 1 2 1	0 0 1 3 1 2 3 1 0 1	0 0 1 3 1 2 3 2 0	0 0 1 2 1 3 2 2 0 1	0 1 1 2 1 2 3 2 0 1	0 1 1 2 1 3 2 2 0 1	0 1 2 1 2 2 2 2 0 1	0 1 2 1 2 2 1 2 0	0 0 3 2 2 2 0 1 1 1	0 0 2 1 3 2 0 2 1	0 1 2 1 2 2 0 2 1 1	0 1 3 1 1 0 2	0 1 4 1 1 3 0 2 1 2	0 1 2 1 1 4 0 2 1	0 1 1 1 4 0 2 2 1	0 1 2 1 1 5 0 2 3	0 1 2 1 1 4 0 2 4	0 1 2 1 1 2 0 1 3 1	0 1 2 1 2 2 0 1 2 0	2 1 2 0 2 3 0	0 1 3 1 2 3 0 3 2	0 1 2 1 2 2 1 4 1 0	0 1 2 1 3 2 1 3 1 0	2 2 1 3 1 2 1 1
11 12 13 14 15 16 17 18 19	0 1 5 3 0 0 2 2	0 1 7 3 0 0 2 2	0 1 1 8 2 0 0 1	0 2 1 7 2 1 0 1 1	0 3 2 7 1 0 0 1 1 0	0 2 2 6 2 0 1 3 2	0226202321	0 2 2 4 4 1 2 3 2 1	0 3 4 3 1 2 3 3	0 3 2 4 2 1 2 3 4 2	0 2 2 4 2 1 2 2 3 2	0 2 2 5 1 0 2 1 1 3	0 1 2 6 2 0 2 1 1 2	0 1 2 6 2 0 2 1 1	1 3 4 2 0 2 1 0	0 1 2 4 1 0 2 1 0 2	0 1 2 3 1 0 3 1 0 2	0 0 2 4 1 0 2 2 1 1	1 0 3 4 1 0 2 2 1 2	1 1 2 4 1 0 2 1 0 2	1 1 3 4 1 0 1 1 0 2	1 3 3 1 0 1 1	2 1 3 4 1 0 1 2 1 3	2 1 4 4 1 0 2 2 1 2	0 1 2 5 2 0 1 2 1 1
21 22 23 24 25 26 27 28 29	2 0 1 9 3 1 1 1 1 1 1	3 1 9 4 0 1 1 1 1	3 1 7 3 0 0	3 2 1 7 3 0 1 2	4 1 7 4 0 1 1	3 1 7 4 0 1 2	3 1 6 3 1 1 2	2 3 2 6 4 1 1 2 1 1	2 3 2 6 3 1 1 3	2 3 2 5 1 1 4 1 1	232 212411	1 3 3 5 2 1 2 1 1 1	2 3 2 5 2 1 1 1	1 3 5 4 1 1 1 0 1 1	1 3 4 5 1 1 0 1 1	1 2 2 5 1 1 0 1 1	1 3 4 1 1 0 1	1 2 4 4 1 1 1 0 1 0	0 1 4 5 0 1 1 0	1 1 3 4 1 1 1 0 1 0	0 1 3 5 0 1 1 0	0 1 4 4 0 1 1 1 0	1 1 6 3 0 0 2 1 1 0	0 1 8 3 0 0 2 1 1	2 3 5 2 1 1 1 1 1 1 1
31 MEAN	1 2	1 2	1	2	1 2	1 2	2	1 2	1	1 2	1 2	1	1 2	1 2	1	1	1	1	1	1	1 1	1	2	0 2	1.6

PERCENTAGE OF DATA VALID - 99.6 PERCENTAGE OF DATA INVALID - 0.4

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "." INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POL	LUTANT	- \$1	JLPHL	R DIO	KIDE						3	JNITS	- 0.0	DI PAR	RTS/MI	LLION	4						
	STA	TION -	WC	NO 2	1006	P	OST C	FFICE	BRAN	TFORD					MONT	TH + F	EB	77						
HOUR DAY	1	2	3	4	5	6	7	8	9	10 11	12	13	14	15	16	17	18	19	20	21	22	23	24 M	EAN
1 2 3 4 5 6 7 8 9	0 0 0 0 1 3 4	0 0 0 0 0 0 1 3 3 3	1 0 4 1 0 0 0 1 3 2	1 0 3 1 1 0 0 1 3 2	1 0 3 1 1 0 0 1 3 2	0021100132	0 0 3 1 0 0 0 1 3 3	0 0 2 0 0 0 1 3	0 0 2 0 0 0 0 2 4 5	0 0 0 0 0 1 0 0 0 1 2 2 4 4 3 ****	0 0 2 1 1 0 1 3 4 3	1 2 1 0 0 0 1 3 4	1 2 1 0 0 0 1 4 4 1	1 0 0 0 0 1 2 4	0000	0 3 0 0 0 1 1 4 2	0 3 0 0 0 0 1 4 1	0 2 0 0 0 0 1 3 2	0 2 0 0 0 0 1 3 2	0 2 0 0 0 0 1 3 2	0 2 0 0 0 1 1 3 2	0 0 0 0 0 1 3 3	0 0 0 0 1 2 4 2	0 1 1 1 0 0 0 2 3
11 12 13 14 15 16 17 18 19	2 0 0 0 0 0 2 2 1	2 1 1 0 0 0 0 1 2 1	21100000221	2 1 1 0 0 0 0 2 2	1 0 0 0 0 2 2 1	2 1 0 0 0 0 1 2 1 1	2 1 0 0 0 0 0 3 1 2	2 1 0 0 0 0 1 3 0	2 2 0 0 0 0 1 4 1	2 2 2 2 0 0 0 0 0 1 0 **** 1 1 6 6 1 0 2 1	2 1 0 0 1 0 0 6 0 1	2 2 0 0 1 0 1 6 0 2	1 2 0 0 1 0 1 6 0 3	0 0 1 6 0 3	1 2 0 0 0 0 2 6 0 2	0 0 0 0 1 6 0 1	1 1 0 0 0 0 1 5 0 1	1 0 0 0 0 2 4 0 1	1 0 0 0 0 1 3 0	2 2 0 0 0 0 1 2 0 1	1 2 0 0 0 0 1 2 1 1	1 2 0 0 0 0 2 2 1 1	200000000000000000000000000000000000000	2 2 0 0 0 0 1 4 1 1
21 22 23 24 25 26 27 28	5 2 2 0 1 0	5 2 2 0 1 0	4 2 2 0 0 0 1 0	4 2 0 0 0 1	3 2 2 0 1 0 1	3 3 1 0 1 0	3 2 1 0 1 0 1 0	2 1 1 1 0 1 0	2 3 1 1 1 0 1 1	1 3 4 3 1 1 1 1 0 1 0 0 1 2	2 3 1 1 0 0	1 3 1 1 0 1 0	1 3 0 2 1 0	0 3 0 2 1 0 1	0 3 0 2 1 0	0 2 0 1 1 0 0 0	0 2 0 1 1 0 0 0	1 2 0 1 1 0 0	1 2 0 1 1 0 0	1 2 0 0 1 0 0	1 2 0 0 1 0 0	1 2 1 1 1 0 0 1	1 2 1 1 0 1 0 1	2 2 1 1 1 0 1 0
MEAN	1	1	1	1	1	1	ţ	1	1	1 1	1	1	1	1	1	1	1	1	1	1	1	1	1	1.0

PERCENTAGE OF DATA VALID - 99.0 PERCENTAGE OF DATA INVALID - 0.6

PERCENTAGE OF DATA UNAVAILABLE - 0.4

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEJS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNITS . O. 01 PARTS/MILLION

	STA	TION	WC	NO 2	1006	PO	ST C	OFFICE	BRAN	NTFORD						MONT	H - N	n A R	77						
HOUR	1	2	3	4	5	6	7	8	9	10	1.1	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1 2 3 4 5 6 7 8 9	1 0 1 1 0 1 0 1 0	0 0 2 1 0 1 1 0	0 0 2 1 0 1 1 0 1 0	0 0 2 1 0 1 0 1 0	0 0 2 1 0 0 1 0 1 0	0 1 3 1 0 0 1 0 1 0	1 1 3 1 0 0 1 0 1 1	1 2 3 1 0 1 1 0 1	0 1 3 1 0 1 1 1 1 1 1	0 1 3 1 0 0 1 1 1 1 1	0 1 2 1 0 1 0 0 1 1	0 1 2 1 0 1 0 0 1 t	0 1 2 1 0 1 0 1 1	0 1 2 1 0 1 0 1 0 1	1 3 1 0 1 0 1	0 1 3 1 0 1 0 1 1 1 1	0 1 3 1 0 1 0 1 0 1	0 1 2 1 0 1 0 0 0 1	0 1 2 1 0 1 0 0 0 1	0 1 2 1 0 1 0 1	0 2 2 0 0 1 0 1 0 1	0 2 1 0 1 0 1 0 1	0 2 1 1 1 1 0 1 0 2	0 2 1 1 1 0 1 0 2	0 1 2 1 0 1 0 1 1 1 1
11 12 13 14 15 16 17 18 19	1 0 0 0 1 0 0 1 1	1 0 0 0 1 0 0 1 0	1 0 0 1 0 0 1 1 0	1 2 0 0 1 0 0 0 0	2 2 0 0 1 0 0 1 1 1	3 2 0 0 1 0 0 0 1 2	1 2 0 0 2 0 0 1 3	2 0 0 0 2 0 1 1 2	2 0 0 2 0 0 1 2 2	1 3 1 0 1 0 0 0	4 2 2 0 0 0 0 0 1 1	6 1 1 0 0 0 0 0 1 0 1	7 1 0 0 1 0 0 1 1 2	6 1 0 0 1 0 0 1 1 1	5 1 0 0 1 0 0 1 1	4 1 0 0 1 0 0 1 1 0 0	3 1 0 0 0 1 0 0 1 0	2 1 0 0 0 1 0 0 0 1 0	1 1 0 0 2 0 0 0 1 0	1 0 0 0 1 0 0 0 0	100000000	1 0 1 0 0 0 0 0 0	1 0 1 0 0 0 0	10000100010	2 1 0 0 1 1 0 0 0 1 1
21 22 23 24 25 26 27 28 29	0 1 1 0 0 1 1 1 0 0 0	0 0 0 0 1 1 1 1 1 1	0 0 0 0 1 0 1 0 0	0 1 0 0 0 2 1 1 2 0	0 0 0 1 0 1 1 0	0 0 0 1 1 1 1 1 0	2 0 0 0 1 2 1 0 1 0	2 0 0 0 1 2 1 0 2 0	1 0 1 1 1 1 0 2 1	0 ***	1 0 0 0 1 1 0 1 1	1 0 0 0 1 1 0 1 0	1 0 0 0 0 1 0 0 0	1 0 0 0 1 1 0 0 0	1000001000	1 0 1 0 0 0 1 0 0 0	0 0 0 0 0 1 0 0 0	0000000000	10000	000000000000000000000000000000000000000	1 0 0 0 0 1 1 0 0 0	0000111000	0 1 0 0 1 1 1 0 0 0	1 1 0 0 0 0	1 0 0 0 1 1 0
31 MEAN	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.6

PERCENTAGE OF DATA VALID - 99.7 PERCENTAGE OF DATA INVALID - 0.3

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. ****** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. *- INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AJR RESORCES BRANCH

	POLL	UTANT	- SI	ULPHU	JR DIO	IDE							ı	INITS	. 0.0	1 PAF	RTS/MI	LLION	N						
	STAT	ION -	WC	NO 2	21006	F	OST	OFFICE	BRAN	TFORD						MONT	н - д	PR	77						
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 M	EAN
1 2 3 4 5 6 7 8 9	0 1 0 0 0 0 0 1	0 1 0 0 0 0 0 1	0 1 0 1 0 0 1 0 0 1	0 1 0 0 0 0 0 1	0 1 1 0 0 0 0 0 0 0 1	1 0 0 0 0 1 0 1 1	1 0 0 1 0 1 1	0 1 0 0 1 0 1 2	1 0 0 0 0 0 0 1 2	1 0 0 1 0 0 1 2	1 1 0 1 0 0 1 0 1 2	0 1 0 0 1 0 0 2	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 1 0 0 1 0 0 2	0 1 0 0 1 0 0 2	0 1 0 0 1 0 0 3	0 1 0 0 1 0 0 3	0 1 0 0 1 0 0 3	0 1 0 0 1 0 0 2	2000001002	200000000	200000000	1 0 0 0 0 0 0 0 2	1000100002	1 1 0 1 0 0 1 0 0 0 2
11 12 13 14 15 16 17 18 19 20	2 0 0 0 0 1 1 1 0 4	3 0 0 0 0 1 1 1 0 4	3 0 0 0 0 0 1 2 1 4	3 0 0 0 0 0 1 2 1 3	10000011213	1 0 0 0 1 1 2 1 3	1 1 0 0 1 1 1 1 2 1 2	1 1 0 1 0 1 2 3 1	1 1 0 1 1 2 3 2	1 1 0 1 0 1 1 3 2	1 1 0 1 0 1 1 3 2	1 1 0 0 0 1 1 2 3	0 0 0 0 0 1 0 2 3	0 0 0 0 0 0 2 2	0 0 0 0 0 0 0 2 2	0 0 0 0 0 0 0 2 2	0 0 0 1 0 1 1 3 2	0 1 0 1 0 3 2	0 0 0 0 2 0 1 0 2 3	0 0 0 0 1 0 0 0 2 3	0 0 0 0 0 1 0 2 1	0 0 0 1 0 1 0	0 0 0 0 0 1 0 1 0	0 0 0 0 1 1 0 3 0	0 0 0 1 1 2 2
21 22 23 24 25 26 27 28 29 30	000000000	1 0 0 0 0 0 0 0 0 0 0 0	1 0 0 0 0 1 0 0 0	0 0 0 0 0 0 0 0 0	0 0 0 0 1 1 0 0 0	0 0 0 0 1 1 0 0 0	1 0 0 0 1 1 0 0 1	0 0 1 1 1 0	1 0 0 0 0 0 0 1 0 1	1 0 0 0 0 1 0 0 0	2 0 0 0 0 1 0 0 0 0	000000000000000000000000000000000000000	2000000000	1 0 0 0 0 1 1 0 0	1 0 0 0 0 0 1 0	1 0 0 0 0 1 0 0 0	0 0 0 0 0 0 0	100010000	0000000	0 0 0 0 0 0 0	000000000000000000000000000000000000000	000000000000000000000000000000000000000	0000000000	000000000000000000000000000000000000000	100000000000000000000000000000000000000
MEAN	0	0	1	0	0	1	1	1	1	1	1	1	0	0	0	0	- 1	1	0	0	0	0	0	0	0.5

PERCENTAGE OF DATA VALID - 99.9 PERCENTAGE OF DATA INVALID - 0.1 PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. *- INDICATES DATA IS UNAVAILABLE
- 3. "***** INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - SULPHUR DIOXIDE UNITS - 0.01 PARTS/MILLION

														30.	-										
	STAT	ION -	WC	NO 2	21006		POST	OFF1CE	BRAN	ITFORD						MONT	H - N	YAN	77						
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 M	EAN
1 2 3 4 5 6 7 8 9	0 0 1 3 0 0 0 0	0 0 0 1 3 0 0 0 0	0 0 0 1 1 0 0 0 0 0	0 0 1 2 0 0 0	0 0 0 1 4 0 0 0 0 0	0 0 1 5 0 0 0	0 0 1 2 3 0 0 0	0 0 1 1 3 0 0 0 0 0 0	1 0 1 -1 3 0 0 0	1 0 0 1 3 0 0 0	2 0 0 1 3 0 0 0	2 0 0 1 2 0 0 0 0 0	1 0 1 2 0 0 0 0 0 0	0 1 2 0 0 0 0 1	1 0 0 0 0 0 0 0	0 0 1 1 1 0 0 0 0 0 0	0 0 0 0 0 0	100200000	1 0 0 0 0 0 0 0	1 0 0 0 0 0 0 0 0	100000000	102200000	3 0 0 0 0	300000000000000000000000000000000000000	000000000000000000000000000000000000000
11 12 13 14 15 16 17 18 19	0 0 0 0 0 0 0 0 0	000000000	000000000	0 0 0 0 0 0 0 0	0 1 0 0 1 0 0 0	0 1 0 1 1 0 0 0	0 0 0 1 1 0 0 0	0 0 0 1 1 2 0 0 0	0 0 0 1 1 1 0 0	0 0 0 0 1 0 0 0	0 0 0 0 0 1 0 0 0	000000000	0 0 0 0 0 0 0 1	0 0 0 0 0 0 0 1	000000000	000000000	0 0 0 0 0 0 0 0	0 0 0 0 0 0	000000000	0 0 0 0 0 0 0 0 0	0 0 1 1 0 0 0 1	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0	000000000000000000000000000000000000000	000000000000000000000000000000000000000
21 22 23 24 25 26 27 28 29 30	0000000000	000000000	000000000	000000000	1 0 0 0 0 0 0	100000000	2100010010	2 1 0 0 0 1 1 0 0 1 1	1 2 0 1 0 1 0 2 0	1 2 0 1 0 2 0 1	2 0 1 0 0 0 1 1 1 1	1 0 0 0 0 0 0 0 0	2 1 0 0 0 0 0 0 0 0 0	100000000000000000000000000000000000000	000000000000000000000000000000000000000	000000000000000000000000000000000000000	000000000000000000000000000000000000000	0 0 0 0 0 0 1 0	000000000	000000010	1 0 0 0 0 0 0 0 1	2 0 0 0 0 0 0 0 1	0 0 0 0 0 0 0 1	000000000000000000000000000000000000000	000000000000000000000000000000000000000
31	0	1	0	0	1	1	2	3	3	1	0	0	0	0	1	1	1	1	1	1	1	1	0	0	1
MEAN	0	0	0	0	0	0	1	1	1	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.3

PERCENTAGE OF DATA VALID - 99.9 PERCENTAGE OF DATA INVALID - 0.1 PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- *-* INDICATES DATA IS UNAVAILABLE
- 3. "***** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POL	LUTANT	- 50	JLPHUR	DIOX	IDE							U	NIIS	- 0.0	1 PAR	TS/MI	LLION	i						
	STA	TION -	WC	NO 21	006	PO	ST 0	FFICE	BRAN	TFORD						MONT	н - ј	UN	77						
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1 2 3 4 5	0	0	0	0	0	0	0	0	0	0	0	- DATA - DATA	UNA UNA UNA	VAILA VAILA VAILA VAILA	BLE -		0	0	0	0	0	ô	0	0.	•••••
7 8 9	0	0	0 0 0	0 1 0	0 0 1	0 0 1	0	0	0 1 0	0 1 0	0	0 1 0	0 1 0	0	0 0 0	0	0 0 0	0000	0 0	0 0 0	0 0 0	0 0	0 0 0	0 0 1	0 0
11 12 13 14 15 16 17 18 19 20	000000000	0 0 0 0 0 0 0 0	0 0 0 1 0 0 0 0 0	0 0 0 1 0 0 0 0 0	0 0 1 0 1 1 0 0 0	0 0 1 0 1 1 0 0 0	0 0 0 1 0 0 0 0	0 0 0 1 0 0 0 0 0	0 1 1 1 0 0 0 0 0 0 0 0 0	0 1 1 1 0 0 0 0 0 0 0 0	0 1 1 2 1 0 0 1 0	0 1 1 1 0 0 0 1 1 0 0 0	0 1 0 0 0 0 0 0 0 0	0 1 0 0 0 0 0 0 0 0 0 0	0 1 1 0 0 0 0 0 0 0 0 0	0 1 1 0 0 0 0 0 0 0 0 0 0	0000000000	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	002000000	0 0 2 1 0 0 0 0 0 0	0 0 2 2 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0	0 0 2 0 0 0 0 0 0 0	000000000000000000000000000000000000000
21 22 23 24 25 26 27 28 29 30	0000000000	0 0 0 0 0 0 0 0 0	000000000	000000000000000000000000000000000000000	000000000	0000000000	0 0 1 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	000000000	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	000000000	00000000001	0 0 0 0 0 0 0 0	000000000	0 0 0 0 0 0 0 0	000000000	00000000	000000000000000000000000000000000000000	0000000000	000000000	000000000	0 0 0 0 0 0 0 0 0	000000000000000000000000000000000000000	000000000000000000000000000000000000000
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1

PERCENTAGE OF DATA VALID - 83.1 PERCENTAGE OF DATA INVALID - 0.1

PERCENTAGE OF DATA UNAVAILABLE - 16.8

- *- " INDICATES DATA IS UNAVAILABLE
- 3. ******* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNITS - 0.01 PARTS/MILLION

PERCENTAGE OF DATA UNAVAILABLE - 53.1

PERCENTAGE OF DATA UNAVAILABLE - 53.1

	STA	TION	WC	NO 2	1006	p	ost o	FFICE	BRAF	TFORD)					MON	тн	JUL	77						
HOUR	1	2	3	4	5	6	7	8	9	10	1.1	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1 2 3 4 5 6 7 8 9	0 0 0 0 0 1 0 0	0 0 0 0 0 0 0 0	000000000	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	000000000	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 1 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 1 0 0 0 0	0 0 0 0 1 1 0 0 0	000000000000000000000000000000000000000	0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	00000000	0000000000	000000000000000000000000000000000000000	000001000	000001000	0 0 0 0 0 1 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0	00000000
11 12 13 14 15 16 17 18 19	0 0 0 0	0000	0 0 0	0000	0 0 0 0	0 0 0 0	0 0 0	0 0 0	00000	0 0 0 0	00000	- DAT - DAT - DAT	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	O O O O VAVAIL VAVAIL VAVAIL VAVAIL	ABLE ABLE ABLE		0 0 0 -	0 0 0 -	0 0 0 -	0 0 0 0	0 0 0 -	0 0 0 0 0	0 0 0	0 0 0	0 0 0
21 22 23 24 25 26 27 28 29 30												- DAT	A UN A UN A UN A UN A UN A UN A UN A UN	NAVAIL NAVAIL NAVAIL NAVAIL NAVAIL NAVAIL NAVAIL	ABLE ABLE ABLE ABLE ABLE ABLE ABLE ABLE										
31 MEAN	0	0	0	0	0	0	0	0	0	0	0	- DAT	A UI	O IAVAIL	ABLE	. 0	0	0	0	0	0	0	o	0	0.1

PERCENTAGE OF DATA VALID - 46.6 PERCENTAGE OF DATA INVALID - 0.3

NOTES 1. ****** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POLL	UTANT	- St	LPHUR	DIOXI	DE						UN	ırs - c	.01	PARTS	/MI	LLION	ı						
	STAT	ION -	WC	NO 21	006	POS	T OFFIC	E BRAN	TFORD						MONTH	- A	UG	77						
HOUR	1	2	3	4	5	6	7 8	9	10	11	12 1	3	14 15	5	16 1	7	18	19	20	21	22	23	24 N	IEAN
1 2 3 4 5 6 7 8 9											- DATA - DATA - DATA - DATA - DATA - DATA - DATA - DATA - DATA - DATA	UNAV UNAV UNAV UNAV UNAV UNAV	AILABLI AILABLI AILABLI AILABLI AILABLI AILABLI AILABLI											
11 12 13 14 15 16 17 18 19 20	. 0 0 0	0 0 0	0 0 0	. 0 0 0	. 0 0 0	. 0 0 0	0 0 0 0 0 0	0 0 0	. 0	0 0 0	- DATA - DATA - DATA	UNAV UNAV UNAV	AILABL AILABL AILABL AILABL O O	E - E - E -	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0	0 0 0 0	0 0 0 0	0000	0 0 0	0 0 0 0	0 0 0
21 22 23 24 25 26 27 28 29	0 0 0 0 0 1 0 0 0	0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0000000000	0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 1 1 0 0 0	0 0 0 0 1 1 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 2 1 0	0 0 0 0 0 2 1 0 0 0	0 0 0 1 0 0 0	1 0 0 0 0 0 0 0 0 0 0 0 0 0	1 0 0 0 0 1 0 0 0 0 0	1 0 0 0 0 1 0 0 0 0	000000		00000	0 0 0 0 0 0 0 0	0000010000	0 0 0 0 0 0 0 0	0 0 0 0 1 0 0 0	0 0 0 0 0 0 0 0 0
31	0	0	0	0	0	0	1 1	1	1	0	0	0	1	1	1	1	3	1	1	1	-1	0	0	1
MEAN	0	0	0	0	0	0	0 0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1

NOTES 1, ****** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

PERCENTAGE OF DATA VALID - 46.5 PERCENTAGE OF DATA INVALID - 0.4

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEJS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

	STA	TION	- WO	NO S	21006	PO	ST	OFFICE	BRA	NTFORD						MONT	тн - :	SEP	7.7						
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 1	MEAN
1	0	0	0	1	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	ŏ	ŏ	ō	o	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	o	ŏ	ŏ	0	0	0	0
4	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	o	o	ō	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	ŏ	ŏ	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	1	1	1	2	2	1	2	1	0	0	0	0	1	1	0	0	o	0	0	0	1
8	0	0	0	0	0	0	0	0	0	1	0	0	1	1	0	0	1	- 1	1	1	1	1	1	0	0
9	1	0	• • •	0	0	0	0	1	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	0	1
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	О	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	o	ō	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0
14	1	1.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	ō	o	Ó	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	000	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0
23	0	0	0	0	0	0	0	0	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	Q	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	- 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0		0	0	**** *	*** *		0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0
29	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	1
30	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	2
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	٥	0	0	0	0	0.2

PERCENTAGE OF DATA VALID - 99.4

PERCENTAGE OF DATA INVALID - 0.6

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. ****** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. *-* INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	PO	LLUTANT	- 1	SULPH	UR DI	OXIDE								UNITS	- 0.	01 PAF	RTS/MI	LLION	£						
	ST	ATION -	W	NO.	21006		POST	OFFICE	BRA	NTFORD	i					MONT	тн - с	ст	77						
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1 2 3 4 5 6 7 8 9	000000000	000000000000000000000000000000000000000	0000100000	0 0 0 0 0 0 0 0	0000100000	0 0 0 0 0 0 0 0 0	0000100000	1	0 0 0 1 1 1 0 0 0	0 0 0 1 1 1 0 0 0 0	0 0 0 1 0 0 0	0000	0000		000000000	000000000000000000000000000000000000000	000000=00	0000000100	000000100	0 0 0 1 0 0 0 1 0 0	0 0 0 1 0 0	0 0 0 1 0 0 0	0 0 1 0 0 0	000100	000000000
11 12 13 14 15 16 17 18 19	0	O	0	0	0	0	1	1	1	****	•	- D:	ATA LATA LATA LATA LATA LATA LATA LATA	JNAVAIL JNAVAIL JNAVAIL JNAVAIL JNAVAIL JNAVAIL A INVAL	ABLE ABLE ABLE ABLE ABLE ABLE	:	•			•	2 :	•	-		••••
21 22 23 24 25 26 27 28 29	0000	0 0	0000	000	0 1	0 1 0	0000	0 0	1 0 1 0	0	1 0 1 0	3 0 1	DATA	0 0	1D - 10 - 2 0 0	1 0 0 0	1 1 0 0	0 0 1	0 0	0 1 0 0 1	0 0 0 1	0 0 0	0 0	0000	1 0 0
31	••••	0	0	0	0	0	0	0	0	0	0	0	(2	2	2	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	٥	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0.2

PERCENTAGE OF DATA VALID - 48.9 PERCENTAGE OF DATA INVALID - 25.0

PERCENTAGE OF DATA UNAVAILABLE - 26.1

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. " ***** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - SULPHUR DIOXIDE UNIFS - 0.01 PARTS/MILLION

	STA	TION -	WC	NO 2	1006	P	OST C	FFICE	BRAN	TFORD						MONT	н -)	VOV	77							
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1 2 3 4 5 6 7 8 9	000000000	000000000	000000000	000000000	0 0 0 0 0 0 0 0 0	000000000	000000000000000000000000000000000000000	000000000	0 0 0 0 0 0 1 0	0 0 0 0 0 0 0 0 1 0	0 0 0 0 0 0 0 1 0	0 0 0 0 0 0 0 0 1 0	0 0 0 0 0 0 0 1 0	0 0 0 0 0 0 1 0	0 0 0 0 0 0 1 0	00000000000	000000010	000000000	000000000	0000000000	0000000000	000000000	0000000000	000000000	000000000000000000000000000000000000000	
11 12 13 14 15 16 17 18 19	0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0	000000000	000000000000000000000000000000000000000	000000000000000000000000000000000000000	000000000	0000000000	000000000	1 0 0 0 0	000010000	0 0 0 0 1 0 0 0 0 0	0000100000	000000000	000000000	0000000000	0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0001000000	000000000000000000000000000000000000000	
21 22 23 24 25 26 27 28 29	0 0 0 1 0 0 2 2	0 0 0 1 0 1 2 2	0 0 1 0 1 2 2	0 0 0 1 0 1 0 2 2 2 2	0 0 0 0 0 0 2 2 2 2	0 0 0 1 3 2	0 0 0 1 0 0 1 3 2	0 0 0 1 0 0 1 3 2	0 0 1 0 1 0 1 3 2	0 0 0 0 1 0 1 3 2	0 0 1 1 0 1 3 2	0 0 1 1 1 0 1 3 2	0 0 1 1 0 0 1 3 2	0 0 1 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 1 2 0 0 1 2 2	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 1 0 0 2 2 2	0 0 0 1 1 0 0 2 2 2 2	0 0 0 1 1 0 0 2 2 1	0 0 0 1 1 0 0 1 2 1	0 0 1 1 0 1 1 2 1	0 0 1 0 1 1 2 1	0 0 2 0 1 0 1 2 2 1	0 0 2 0 1 0 1 1 2	0 0 0 1 1 1 0 0 1 2 2	
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.3	

PERCENTAGE OF DATA VALID - 99.6 PERCENTAGE OF DATA INVALID - 0.4 PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. ****** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. *- INDICATES DATA IS UNAVAILABLE
- 3. ******* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

HOUR 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 MEAN 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		POLL	UTANT	- SU	LPHU	RDIOX	IDE						U	NITS	- 0.0	1 PAR	TS/MI	LLION	4							
1		STAT	ION -	WC	NO 2	1006	POS	T OFFICE	BRAN	NTFORD						MONT	н - р	EC	77							
2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		1	2	3	4	5	6	7 8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	į
12	3 4 5 6 7 8 9	0 0 1 0 0 0	0 0 1 1 0 1 1		0 1 1	0 0 1 1 0 1	0 1 1 0 1	0 0 0 0 1 1 1 1 0 0	0 1 1 0 1 2	0 0 1 0 0	0 0 0 0 2 2	00000022	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 2 1	0 0 0 0 0 1 1	0 0 0 0 0 1 1	0 0 0 0 0 1 1	0 0 0 0 0 1 1	0 0 1 0	0 0 1 0	0 0 1 1 1	0 0 1 1 0 1 1	0 0 1 0 1 2	0 0 1 0 1 1		1 1 0
22	12 13 14 15 16 17 18	4			1 2 1		2 1 1 1	2 4 1 1 2 2 1 1 1 1	5 1 1 1 0 1 1	5 1 1 1 2 0 1	1 1 1 0 1 1	3 1 1 2 0 1	2 1 1 0 2 1 1	2 1 0 2 1 1 1 1	1 1	1 2 1 2 1	1 1 2 1 1 1 2 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1	1 1 1	3 1 1 1 2 1 1 1 1 1	4 1 1 1 2 1 1 1 1 1 1 1	*.	
	22 23 24 25 26 27 28 29	1 1 2 1 0 1 1 1 1	2 2 1 0 1 2 1	1 1	1 1 2	1 1 0 0 1 2 2	1 1 0 1 1 2 2 2	2 2 1 1 1 1 0 0 1 1 1 1 1 1 2 2	2 1 2 0 1 1 2 2	2 1 1 0 1 1 2 1	1 2 0 1 1 1 1	1 2 0 1 1 1 1	1 2 0 1 1 1 1 2	1 3 0 1 1 1 1	1 1 1	1 1 2	0 1 1 1 2	1 1 2	0 1 1 1 2	1 1 2	0 1 2 1	1 1 1 1 1 1 2	1 1 1 1 1 1 2 2 2 2	1 1 1 2 2 2 2		1 1 2
			1			1	1	1 1	1	1	1	1	1		1	1	1	1	1	1	1		1	-	1	

PERCENTAGE OF DATA VALID - 99.3 PERCENTAGE OF DATA INVALID - 0.3 PERCENTAGE OF DATA UNAVAILABLE - 0.4

- 2. *-" INDICATES DATA IS UNAVAILABLE
- 3. ******* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1977

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION -	WC NO 21006 POST OFFICE	BRANTFORD		
MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	1.6	5	9
FEB	28	1.0	4	6
MAR	31	0.6	2	7
APR	30	0.5	2	4
MAY	31	0.3	2	5
JUN	24	0.1	1	3
JUL	14	0.1	0	4
AUG	14	0.1	1	2
SEP	30	0.2	2	2
oct	14	0.2	1	3
NOV	30	0.3	2	3
DEC	31	1.0	2	5
YEAR	308	0.6	5	9

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1977

84.9 0

POLLUTANT -	SULPHUR L	NOXIDE							UNITS	- 0	.01 PARTS	MILLION			
- NOITATE	WC NO 210	906	POST	OFFICE	BRA	NTFORD									
MONTH	00 TO 04	05 TO	10	11 70 1	4 1	5 TO 25	5 26	TO 39	40 80	VER	TOTAL				
JAN	711		30		0	C)	0		0	741				
FEB	653		12		0	C	9	0		0	665				
MAR	738		4		0	C	0	0		0	742				
APR	719		0		0		0	0		0	719				
MAY	742		1		0)	0		0	743				
JUN	598		0		0		•	0		0	598				
JUL	347		0		0		Ó	0		0	347				
AUG	346		0		0	C	5	0		0	346				
SEP	716		0		0	(0	0		0	716				
ост	364		О		0		,	0		0	364				
NOV	717		0		0	(0	o		0	717				
DEC	737		2		0	(0	0		0	739				
YEAR	7388		49		0		0	0		0	7437				
FREQUENCY	DISTRIBUTI	ION BY I	PEDCE	NTTIES											
, negotine i	PERCENT	OH 01 1	CHUE						NTRATIO						
	OF DATA VALID	MIN		10	30		OUENC 50	70	RIBUTIO 90		ERCENT 95	98	99	MAX	ARITH MEAN

0.0 0.0 0.0 0.3 1,3 1.9 2.8

0.6

UNITS - 0.01 PARTS/MILLION

	S	MOITAT	4 - W0	C NO	2201	1	DEAM	UDE P	ORT N	AITLA	D						MO	NTH -	MAL	77						
DAY	1	2	3	4	5	6	7	. 8	9	10	11	13	2 1	3 1	4	15	16	17	18	19	20	21	22	23	24	MEAN
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12	0	2	4	4	4	1	1	1	2	3	4	- 3			3	2	2	1	1	2	2		2	1	1	0
13	1	1	1	1	0	0	0	o	ō	2	3	- 3			4	2	4	3		2	1	2	- 1	- 1	3	2
14	2	3	4	5	3	2	- 1	ŏ	0	- 7	6				7	-	-	3	-	2	1	1	- 1	- 1	3	2
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16														UNAVA			2									
17														UNAVA												
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19				_					120							LE							_	-	-	
20	0	0	0	0	0	0	0	0	- 1	1	3	- 2			3	1	0	0	0	0	0	0	0	0	0	*****
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21	2	2	2	1	Ť	1	1	1	2	3	5		1	4	3	2	2	1	0	0	0	0	0	0	0	
22	0	0	0	0	0	0	0	0	õ	ō	1				2	2	2	2	1	ő	0		0	0	0	
23	0	0	0	0	0	0	0	0	0	ō	- 2	- 2			4	4	3	3	2	2			1		3	1
24	5	6	9	10	В	6	6	5	5	5	5	4			6	5	4	2	- 1	0	2	1		2	0	2
25	0	0	0	0	0	0	0	0	õ	ō	ő				0	1	0					0	0			4
26	****	****		****	****	****	****	ŏ	ő	ő	ĭ	- 3			2	3	3			****				****	***	0
27	0	0	0	0	0	0	0	ő	ő	ő	ò				Ô	0	0	ò	ò	1	0	0	0	0	0	1
28	1	2	1	1	1	- 1	ĭ	- 1	ĭ			č			0 **				****	0	0	0	0	0	0	0
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30														A INV												
													OH!	4144	WEID	-										
31													DAT	A INV	ALID											
MEAN	1	1	1	1	1	1	1	0	1	1	2	-	1	2	2	2	- 1	1	1			0	0	0		1.0
											-			_	-	*	,					U	U	U	,	1.0

PERCENTAGE OF DATA VALID - 65.1 PERCENTAGE OF DATA INVALID - 19.1 PERCENTAGE OF DATA UNAVAILABLE - 15.9

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. *- INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

POLLUTANT - SULPHUR DIOXIDE UNITS - 0.01 PARTS/MILLION STATION - WC NO 22011 DEAMUDE PORT MAITLAND MONTH - FEB 77 HOUR 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 MEAN - DATA INVALID -0 0 5 6 7 0 3 7 0 7 0 12 13 14 15 16 17 0 2 0 0 2 0 1 24 25 MEAN 0.9

PERCENTAGE OF DATA VALID - 87.4 PERCENTAGE OF DATA INVALID - 12.6 PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNITS + O.D1 PARTS/MILLION

															-	2010										
	STA	TION	wc	NO	22011		DEAMUDE	PORT	MA	ITLAND						MON	rH - I	MAR	77							
DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1 2	0	0	0	0	0	0	0	0	0	0	0	1	0	0	О	0	0	0	0	0	0	0	0	О		0
3	ŏ	ŏ	0	0	0	0	0	0	D	0	1	1	1	1	1	1	1	1		1	i	0	O	0		0
4	1	Ť	1	ő	ő	ŏ	o o	0	0	ö	2		4	3	1	1	1	1	1	1	2	1	1	1		1
5	1	4	ò	ŏ	ō	ŏ	ŏ	ŏ	ö	ŏ	0	0	0		0	0	0	0	0	0	0	1	1	1		0
5 6 7	0	0	ō	o	ō	ō	ŏ	ŏ	ŏ	ŏ	1		0	0	0	0	0	0	0	0	0	0	0	0		0
	0	0	ŏ	ō	ŏ	o	ŏ	ŏ	ŏ	ŏ	ò		ő	0	0	0	0	0	0	0	0	0	0	0		0
8	0	0	0	0	0	0	ō	0	ĭ	2	6	7	8	2	٠	٠	·	2		0	0	0	0	0		0
9	2	2	2	2	2	2	3	2	2	2	2	2	2	2	2	:	- 4	2	3	0	0	1	3	3		2
10	1	1	1	1	1	2	3 2	2	2	3	2	2	6	11	4	3	3	2	- 1	ò	2	4	6	2		2
	_								_		-	_	-		-	3		-	1	U	U	U	U	O		2
11	0	0	0	0	0	0	0	0	1	2	5	5	5	4	4	3	2	2	2	1	ī	1	1	4		2
12 13	1	1	1	0	0	0	0	1	1	2	2	1	1	1	1	1	1	î	ī	ò	ò	ò	ò	ó		-
14	0	0	0	0	0	0	0	0	0	0	0	0	2	2	2	2	1	0	ó	ŏ	ŏ	ŏ	ŏ	ŏ		ò
15	ŏ	0	0	0	0	0	0	0	0	0	0	0	1	1	1	-1	0	o	ŏ	õ	ŏ	ŏ	ŏ	ŏ		ŏ
16	ŏ	Ö	0	0	0	0	0	0	0	0	0	0	0	2	2	2	2	1	1	1	1	1	ō	ŏ		1
17	ŏ	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	o	0	0	ŏ		o
18	ŏ	ŏ	0	1	0	0	0	0	0	0	0		0	1	2	1	1	1	1	0	ō	0	0	0		ō
19	ŏ	ŏ	0	ò	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	o	0	0	0		o
20	ŏ	õ	0	0	ŏ	0	0	0	1	1	- 1	1	1	1	2	4	1	1	0	0	0	0	0	0		1
••	•		U	U	U	U	U	1	0	0	0	0	1	1	1	0	0	1	1	1	0	0	0	0		0
21	0	0	0	0	0	0	0	0	0	1	2	2		9	6	3	3							1401		
22	1	1	1	1	1	1	1	0	ō	0	ō	ō	0	o	ő	õ	õ	2	1	1	1	1	1	1		1
23	0	0	0	0	0	0	0	0	0	1	1	1	1	ĭ	1	1	·	1	0	0	0	0	0	0		0
24	0	0	0	0	0	0		0	0	0	0	ó	Ó	ò	ò	ò	ó	ò	Ö	0	0	0	Ö	0		0
25	0	0	0	0	0	0	0	1	1 *		1	1	1	1	ĭ	ĭ	ĭ	ĭ	ĭ	ŏ	ŏ	0	ŏ	0		Ö
26	0	0	0	0	0	0	0	2	2	2	2	2	5	4	4	5	3	1	- 1	ő	Ö	ŏ	ŏ	ő		1
27	0	0	0	0	0	0	0	0	0	1	3	4	2	3	3	3	2	2	•	1	1	ŏ	ŏ	ŏ		4
28	0	0	0	0	0	1	1	1	0	1	1	1	1	1	1	1	0	0	Ó	ò	ó	ŏ	ŏ	ō		ò
29 30	0	0	0	0	0	0	0	0	1	1	1	1	5	2	2	1	1	1		1	1	ŏ	ŏ	Ö		1
30	U	O.	0	0	0	0	0	0	1	2	2	1	3	2	2	4	1	1	0	0	- 1	1	1	ō		i
31	0	0	0	0	o	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0
MEAN	0	0	0	0	0	0	0	0	0	1	1	1	2	2	1	1	1	,	1	0	0	0	0	0	0	.6

PERCENTAGE OF DATA VALID - 99.5 PERCENTAGE OF DATA INVALID - 0.5

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. "***** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POLL	UTANT	- SI	JLPHU	R D10)	IDE							į,	NITS	- 0.0	1 PAR	RTS/MI	LLION	4						
	STAT	10N -	WC	NO 2	2011	0	EAMUDE	PORT	MAI	TLAND						MONT	т - А	PR	77						
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 M	EAN
1 2 3 4 5 6 7 8 9	000000000	00000000	0 0 0 0 0 0 0 0 0	00000000	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 1	000000001	2 0 0 0 0 0 0 0 0 2	2 0 1 0 0 0 0 1 1 2	201000001112	0 1 0 0 0 0 0	2 0 1 0 0 0 0 1 2 6	2 0 1 0 0 0 1 1 1 3	2 0 1 0 0 0 1 1 1 3	1 0 0 0 0 0 1 2	1 0 0 0 0 0 1 2	1 0 0 0 0 0 0 1 1	1 0 0 0 0 0 0 1 1	000000011	000000011	0 0 0 0 0 0 1	0 0 0 0 0 0 1	000000000000000000000000000000000000000
11 12 13 14 15 16 17 18 19	1 0 0 0 0 0 0 1	1 0 0 0 0 0 0 0 1	0 1 0 0 0 0 0 0 0	0 1 0 0 0 0 0 0 0 1	0 1 0 0 0 0 0 0 1	0 1 0 0 0 0 0 0	1 0 0 0 0 0 0 1	1 1 0 1 1 0 0 1 1 1	2 1 0 1 3 2 1 0 3 1	2 1 0 3 1 6 1 0 4 2	2 1 0 1 4 3 0 0 6 2	2 1 0 1 3 3 0 0 6 2	2 1 1 1 2 0 1 6 8	2 1 1 2 4 4 0 2 5	2 1 1 2 8 9 0 2 4 5	2 1 7 2 2 0 2 6 4	2 1 1 6 3 6 0 1 6 4	2 1 2 3 2 0 1 3 3	2 1 1 1 1 0 0 2 3	2 1 1 0 0 0 0 2 2	2 0 1 0 0 0 0 0 0 2 2	2 1 1 0 0 0 0 0	2 1 0 0 0 0 0 1 2	000000000000000000000000000000000000000	2 1 1 1 2 0 0 2 2
21 22 23 24 25 26 27 28 29	1 1 1 1 0 1 2 1	1 1 1 1 0 1 2 1	1 1 1 1 0 1 1 1	1 1 1 1 0 1 1 1	1 1 1 0 1 1 1 1 1 1	1 1 1 1 1 0 1 1 1	1 1 1 1 0 1 1 1 1 1 1	2 1 1 1 1 0 1 1 1 3	2 1 1 1 1 0 1 1 1 1 3	2 1 1 1 0 2 1 1 7	3 1 1 1 1 2 1 1 10	3 1 1 1 1 3 1 4	3 1 1 1 1 4 2 6	5 1 1 1 1 3 2 5	4 1 1 1 1 4 2 4	3 1 1 1 1 1 8 2 4 6	2 1 1 1 1 2 2 2 3	2 1 1 1 1 3 2 1 2	2 1 1 1 1 2 2 1 2	1 1 1 1 2 1 1 1	1 1 1 1 2 1 1 1	1 1 1 1 2 1 1 1	1 1 1 1 2 1 0 1	1 1 1 1 0 1 2 1 0 1	2 1 1 1 1 1 3 1 2 4
MEAN	0	0	0	0	0	0	0	1	1	1	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1.1

PERCENTAGE OF DATA VALID - 99.7 PERCENTAGE OF DATA INVALID - 0.3

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ******* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNITS - 0.01 PARTS/MILLION

	CTAI	TON	- WC	NO	22211		OF AMULINE	DODT	MAT	TLAND						MONT			22						
HOUR	1	10N 2	3 3	4	22011	6	7	8	9	10	11	12	13	14	15	16	17	18	77 19	20	21	22	23	24 M	EAN
1 2 3 4 5 6 7 8 9	0 3 0 0 0 1 0 0 0 0	0 2 0 0 0 1 0 0 0 0	0 1 0 0 0 1 0 0	0 1 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0	0 1 0 0 0 1 0 0 0 0	1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2 1 1 1 0 1 0 1 1 1 1 1	2 1 1 1 0 2 0 2 1	6 1 1 0 2 1 4	9 2 1 0 2 1 3 1	16 5 1 0 2 1 1	5 3 1 0 0 2 1 1 1 0	3 1 1 0 1 2 1 1 1	3 3 1 0 2 2 1 1 1	3 1 0 3 2 1 1 1	3 2 1 0 2 2 2 0 0 2	4 1 0 1 1 1 0 0	3 1 1 0 1 1 1 0 0 1 1	2 1 1 0 1 1 1 0 0 1 1	2 1 1 0 0 1 1 0 0 1	2 1 1 0 1 1 0 0 0 1	3 1 1 0 1 1 0 0	3 1 0 0 1 1 0 0 1	3 2 1 0 1 1 1 1 0
11 12 13 14 15 16 17 18 19 20	0 0 0 0 0 1 1 0 0	0 0 0 0 0 1 1 0 0	0 0 0 0 1 1 0 0	0 0 1 0 0 0 1 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 1 0 0 0	1 1 1 1 2 0 0 0	1 1 1 1 2 3 0 3 2	1 1 1 2 2 3 1 4 5	1 1 1 1 3 2 2 3 5	1 2 1 1 7 2 3 3	1 1 2 1 1 3 3 2 2 2 2	3 1 3 2 1 4 4 2 7	1 1 3 1 1 13 2 2 7	4 1 5 2 1 4 4 1 4 2	2131125132	1 1 3 1 4 3 1 2 2	1 1 2 4 3 2 1 1 3	3 1 1 3 2 2 1 1 2	2 1 0 1 1 2 1 0 0 2	1 1 0 1 0 2 1 0 0 1	1 0 0 0 2 1 0 0 1	0 0 0 0 2 1 0 0 1	0 0 0 0 1 1 0 0 1	1 1 1 1 2 2 1 2 2 2
21 22 23 24 25 26 27 28 29	0 1 1 0 0 0 0 0 0 0 0	0 1 1 1 0 0 0 0 0 0 0	0 1 1 1 0 0 0	0 1 1 1 0 0 0 0 0 0 0 0	0 1 0 1 0 0 0 0	0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 2 1 0 0 1 2 3 0 0	6 3 2 1 2 2 2 1 0 0	8 3 2 3 1 2 2 1 0	6 3 3 4 1 1 2 3 0 0 +	13 2 4 11 2 1 3 7 0	10 2 3 7 1 1 2 10 0	11 7 4 6 1 0 1 4 0	8 11 3 12 3 0 1 1 0 0	5 8 2 6 5 0 5 1 0 0	4 7 3 2 2 0 5 1 0 0	36323011	3 6 2 1 2 0 4 1 0	3 3 2 1 1 7 1 0 0	3 2 2 1 1 2 1 0 0	1 1 0 1 1 0 0	2 1 1 1 1 0 1 0 0 0 0	1 1 0 0 0 1 0 0 0	1 0 0 0 0 0 0 0 0 0	4 3 2 3 1 0 2 2 0 0
31	0	0	0	0	0	0	0	1	2	3	3	1	2	3	3	3	3	3	2	2	3	2	2	1	2
MEAN	0	0	0	0	0	0	1	1	2	2	3	3	3	3	3	2	2	2	2	1	1	1	1	0	1.3

PERCENTAGE OF DATA VALID - 99.6 PERCENTAGE OF DATA INVALID - 0.1 PERCENTAGE OF DATA UNAVAILABLE - 0.3

NOTES 1. "****" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POL	UTANT	- S	ULPHU	R DIO	KIDE							u	NITS	- 0.0	1 PAR	RTS/MI	LLION	4						
	STA	TION -	WC	NO 2	2011	D	EAMUDE	PORT	MAI	TLAND						MONT	H - U	UN	77						
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	. 19	20	21	22	23	24 ME	AN
1 2 3 4 5 6 7 8 9	2000210000	2 0 0 0 1 1 0 0 0 0 0	1 0 0 0 1 1 0 0 0 0	1 0 0 0 1 0 0 0 0	1 0 0 0 1 0 0 0 0 0	1 0 0 0 1 0 0 0 0	1 0 0 0 1 0 0 0 1	2 0 1 2 2 0 0 0 0 1	4 0 2 8 1 0 0 0 1	4 1 6 1 0 0 0	5 1 2 1 0 0 5 0 0	2 2 3 3 1 0 0 3 0 1	2 2 8 6 1 0 0 5 0 0	1 6 7 1 0 7 0 0	1 4 3 1 0 0 4 0	5 1 4 5 1 0 0 3 0	5 1 3 3 1 0 0 1	2 1 3 1 0 0 1 0 1	3 0 1 2 1 0 0 1 0 1	3 0 1 2 1 0 0 0 0 1	2 0 1 1 0 0 0 0 0 0 0	1 0 1 2 1 0 0 0 0 0 0	1 0 0 0 0 0 0 0 0	1000210000	2 1 2 2 1 0 0 1 0 0
11 12 13 14 15 16 17 18 19 20	0 0 0 0 1 1 1 1 1 1	0 0 0 0 1 0 1 1 1 1 1	0 0 0 0 1 0 2 1 1 1 1	0 0 0 0 1 0 2 1 1 1	0 0 0 0 1 0 2 1 1	0 0 0 0 1 0 2 1 1 0	1 0 0 0 1 1 2 1	0 1 1 2 1 1	2 1 1 1 1 3 1 2	1 1 1 1 1 2 3 1 1	1 1 2 1 2 3 2 2 1 0	1 1 2 1 2 2 2 2 1 0	1 1 2 2 3 2 2 2 1 1	1 1 2 1 2 2 3 2 1 1	1 1 1 2 2 2 2 1 1	1 1 2 2 2 2 2 2 1	1 1 2 1 2 2 2 2 1	1 1 2 1 2 2 2 2 1	0 1 1 1 1 2 2 2 2 1	0 1 1 1 1 2 2 2 1 1	0 0 1 1 1 1 2 2 2 1	0 0 1 1 1 1 2 2 1	0 0 1 1 1 1 1 2 1 0	0 1 1 1 1 1 2 1 0	1 1 1 1 1 1 2 2 1 1 1
21 22 23 24 25 26 27 28 29	0 0 0 1 0 0 1 1 0 0	0 0 0 1 0 0 1 1 0	0 0 0 0 1 0 0 1 1 0	0 0 0 1 0 0 1 1 0	0 0 0 1 0 0 1 1 0	0 0 0 1 0 0 1 1 0	0 0 0 1 0 0 1 1 0	0 0 0 0 1 0 0 1 1 0 0	0 1 1 0 1 0 - 1 1 0 0	1 1 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 0 *** 1 1 1 1 1	0 1 3 1 1 1 1 1 1	1 1 2 1 1 2 1 1 2	1 1 2 1 1 1 1 1 2	1 1 0 3 1 1 1 1 1 1 2	1 1 3 1 1 2 2 1 2	1 1 2 1 1 2 2 1 2	1 1 2 1 1 2 1 1 2	1 1 2 1 1 1 1 1 2	1 1 1 1 1 1 1 2	1 1 1 1 1 1 2	0 1 0 1 1 1 1 1 1 2	0 0 0 1 0 1 1 1 1 2	0 0 0 1 0 1 1 1 0 2	0 1 0 1 1 1 1 1 1 1 1 1 1
MEAN	0	0	0	0	0	0	0	1	1	1	1	1	2	2	1	2	1	1	1	1	1	1	1	1	1.0

PERCENTAGE OF DATA VALID - 99.3 PERCENTAGE OF DATA INVALID - 0.4 PERCENTAGE OF DATA UNAVAILABLE - 0.3

- 2. "-" INDICATES DATA IS UNAVAILABLE
 - 3. "***** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNITS . O. 01 PARTS/MILLION

	STAT	ION -	WC	NO	22011)	DEAMUDE	PORT	MA	ITLAND						MON	тн - ,	JUL	77						
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1 2 3 4 5 6 7 8 9	2 8 8 8	2 8 8 8	2 8 8 8	2 8 8 8	2 8 8 7	2 8 8 8	2 8 8 9	2 8 8 8	2 8 7 8	3 8 7 7	6 8 8 6	- DAT - DAT - DAT - DAT	A UN A UN A UN A UN	7 8 7 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	BLE BLE BLE BLE BLE	:	7 8 8	8 8 -	8 8 -	8 8	8 8	8 8 .	8 -	8 8	5 8 8
11 12 13 14 15 16 17 18 19	2 4 3 3 3 0 3	2 4 2 3 3 1 3 4	2 3 2 3 3 1 4	5 3 2 3 3 1 3	8 3 2 3 3 1 4	7 3 3 3 4 1 4	7 4 3 3 4 1 5	7 3 4 3 4 1 5	7 4 9 4 4 1 6 4	7 4 12 3 4 2 4	7 4 11 3 7 1 5	- DAT	1 8 4 10 4 7 8 4 4	AVAILA 6 3 7 5 10 8 4	1BLE 2 6 4 6 7 7 37 5	2 5 4 6 4 4 11 5	254544645	2 6 4 5 5 6 6	2 6 4 5 4 5 5 6	2 5 4 5 4 5 5 5	2 5 4 4 4 4 5 5	2 5 3 4 4 4 5 6	3 5 3 4 4 4 5 5	3 5 4 4 4 4 5 5	6 4 5 4 5 5 5
21 22 23 24 25 26 27 28 29	5 3 3 4 0 0 0	5 3 3 4 0 0 0 0	5 3 4 4 0 0 0	5 3 4 5 0 0 0 0	0	5 4 3 4 4 0 0 0	5 4 3 5 4 0 0 0	5 4 3 7 6 0 0 0 0	5 4 3 9 7 0 0 0 1 0	5 4 4 11 5 0 0 0	5 4 7 12 4 0 0 0 6 4	5 4 7 13 3 0 0 0 5 3	4 3 10 0 0 0 5 2	4 3 10 5 0 0 4 1	4 4 3 10 4 0 0 0 4 2	4 4 3 9 3 0 0 0 4	4 4 6 2 0 0 0 3 0	5 4 4 7 1 0 0 0 2	5446100010	4 4 4 6 0 0 0 0 0 0	4 4 4 6 0 0 0 0 0 0	4 4 4 6 0 0 0 0 0 0	4 4 6 0 0 0 0 0 0	4 4 5 6 0 0 0 0 0 0	5 4 4 7 3 0 0 0 2
31 MEAN	0 3	0 3	0 3	0		0 3	o 3	0	0	0 4	o 5	0 5	0 5	0	0 6	0 4	0 4	0 4	2 4	1	0 3	0 3	0 3	0	0 3.8

PERCENTAGE OF DATA VALID - 73.9 PERCENTAGE OF DATA INVALID - 0.5

PERCENTAGE OF DATA UNAVAILABLE - 25.5

NOTES 1. ****** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	PO	LLUTA	MT -	SULPH	UR DI	OXIDE								UNITS	- 0.	01 P	RTS/W	ILLIO	N						
	ST	ATION	- wo	NO.	22011		DEAMU	DE POI	RT MA	ITLAN	D					MON	ITH -	AUG	77						
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1 2 3 4 5 6 7 8 9	00000000	00000000	00000000	0000000	00000000	00000000	0 0 0 0 0 0	0 0 0 0 0 0	0 1 3 6 0 0 0	0 3 5 0 0 1	0 3 3 3 0 0 1	0 1 5 3 1 0 0 1	1 1 5 6 0 0 0	1 4 6 3 0 0 0 0	0 2 3 3 0 0 0	014200000000000000000000000000000000000	0 1 3 1 0 0 0 0 0 0	0 0 0 0	0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	000000000000000000000000000000000000000	000000		0000000	000000	0 1 2 2 0 0 0
11 12 13 14 15 16 17 18 19	0 2 0 0	0 1 0 0	0000	0 0 0	 0 0 0	 0 0 0	0 0 0	•••• 0 0 0	0 0 0	1 0 0	1 0 0	0 3 0 0	DATA DATA DATA O 3 0 0	INVAL INVAL INVAL O 2 0 0	ID - ID - ID - 0 2 0	0 3 0 0	0 4	0 5 0 0	0 4 0 0	0 3 0 0	0 2 0 0	0 2 0 0	0 3 0 0	0 2 0 0	2 0 0
21 22 23 24 25 26	0	0	0	0	0 0	0	0	0	8	0 0	0	0		O O INVAL INVAL											0
27 28 29 30	0	0	0	•••• 0 0	0	0	0	0 2	2 1 2	2 0 2	2 2 0	6 5	6	i 3 - VAVAIL	3	6	3	1	0	0	0	0	0	0	1
31												- D	ATA U	NAVAIL	ABLE										
MEAN	0	0	0	0	0	0	0	0	1	1	,	1	1	1	1	1	1	1	0	0	0	0	0	0	0.5

PERCENTAGE OF DATA VALID - 55.5 PERCENTAGE OF DATA INVALID - 36.3

PERCENTAGE OF DATA UNAVAILABLE - 8.2

- 2. *- INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNITS - O.D1 PARTS/MILLION

	STAT	ION -	WC	NO 2	2011	D	EAMUDE	PORT	MΑ	ITLAND						MONT	H - S	EP	77							
HOUR_	1	2	3	4	5	6	7	8	9	10	1.1	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1 2 3 4 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	00033300120112332	00042	00042	0042	1 0 4 1 0 0 2 1 0 1 2 3 2	1 0 4 1 0 0 2 1 0 1 2 3 2	1 0 4 1 0 0 2 1 0 1 2 3 2	1 0 4 1 0 1 2 1 0 2 2 3 2	2 2 4 1 0 4 2 2 1 2 2 3 2	3341 123212332	03441 123213632	- DATA	UNA UNA UNA 1 1 5 2 1 1 3 5 3 4	VAILAR VAILAR VAILAR VAILAR 1 1 5 2 1 1 3 5 3	BLE - BLE - BLE - BLE - BLE BLE - BLE	232311663114442	23231 12311342	22231 12311332	1 2 2 3 1 1 2 3 1 1 3 3 2 -	1 1 2 3 1 1 2 2 1 1 2 3 2 .	1 1 1 4 0 0 2 2 2 2 2	1 1 1 4 0 0 3 2 1 1 2 2 2 2	1 0 1 4 0 0 2 2 0 1 2 3 2 2	00011330002220011223322		2241 02211233
21 22 23 24 25 26 27 28 29 30	0 1 2 1 1 0 0 0	0 1 1 1 1 0 0	1 1 2 1 1 0 0	1 1 2 1 1 0 0	1 1 1 1 0 0	1 1 1 0 0	1 1 1 0 0	1 1 1 1 0 0	1 1 1 1 0 1	1 1 1 1 0 1	1 1 0 1	- DATA - DATA 0 1 2 - 1 1 2	UNA 1 1 6 1 1 1 4 3	VAILA 1 1 4 2 1 1 3	BLE - 1 3 2 1 1 2	1 1 3 2 1 1 3	1 1 2 2 1 1 2 1	1 1 2 2 1 1 1 1 1	0 1 2 2 1 1 1 1 1 1	0 1 2 2 1 1 1 1 1	0 1 2 2 1 1 1 1 1	1 1 2 2 1 1 0	1 1 2 2 1 1 0 1	1 1 2 1 1 0 0 1 1		1 2 2 1 1 1 1
MEAN	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	. 6

PERCENTAGE OF DATA VALID - 68.5 PERCENTAGE OF DATA INVALID - 0.6 PERCENTAGE OF DATA UNAVAILABLE - 31.0

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. *- INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	PO	LLUTA	INT -	SULP	HUR D	OXID	E							UNITS	- 0.	01 PA	RTS/	MILLIC	N						
	ST	ATION	- w	C NO	2201	r	DEAML	DE P	ORT MA	AITLAN	D					MON	TH -	ост	77						
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1 2 3 4 5 6 7 8 9	1 1 0 0 0 1 0	0 0 0 0	000000000000000000000000000000000000000	0 0 0	0	1 0 0 0 0 0	1 0 0 0 0 0	1 0 0 0 0 0	1	1 1 0 3 0 0	1 1 0 6 0 0	1 1 0 4 0 0 0	DATA	2	D -	0 1 1 0 1 0	1 1 0 1 0 0	1 D	0 1 1 0 1 0	0 0 1 0 0	1 0 1 0 0	1 0 0 0 1 0 0	1 0 0 0 1 0 0	0 0 0 1 0 0	1 1 0 0 0
11 12 13 14 15 16 17 18 19 20	000000000000000000000000000000000000000	000000000000000000000000000000000000000	000000000000000000000000000000000000000	000000000000000000000000000000000000000	0 0	000000000000000000000000000000000000000	000000	000000000000000000000000000000000000000	0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 1 0 1 0 0 1 1 1 1	0 1 0 2 0 0 0 0 1 1 1 1	00005001	0000		3 0 0 0 2 0 1 1 2 2 2	2 0 0 0 0 1 0 1 1 2	1 0 0 0 1 0 1 1 1 1	0	0 0 0 0 0 0 0 0 0 0 1 1 1	0 0 0 0 0 0 0 0 0 0 1	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	000000000000000000000000000000000000000	000000000000000000000000000000000000000	000000000000000000000000000000000000000	0 0 0 1 0 0 1 1 1 1
21 22 23 24 25 26 27	0 0 0 1	0 9 0 0 0	000	3 1 0	3 0 0	0 0 0 0 1	0 0 0 0 1	0 0 0 1	1	1 3 1 **** 1 2	2 2 2 3 2	2 1 2 2 3 3	3 1 2 2 4 1 DATA	1 2 4 6 2	2 1 4 9 2 ID -	2 1 9 4 2	1 1 5 2	1 1 3 1	1 1 1	1 0 1 1	1 0 1	1 1 0 1	0 0	0 0 0	1 2 1 2 2
28 29 30		0		****			0 0	0 0	0 0	0 0	1	1 1	1 1 2	1 1 2	1 1 2	3 1 1	1 1 2	1	1 1 1 2	1 1 1 2	1 0 2	1 1 0	1 1 1	1 1 1	1 1
MEAN	0	1	C	0	0	0	0	0			1	2	1	2	1	1	1	1	1	0	1	0	0	0	0.7

PERCENTAGE OF DATA VALID - 77.6 PERCENTAGE OF DATA INVALID - 22.4

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNITS - 0.01 PARTS/MILLION

	ST	ATION	- wc	NO	22011		DEAMUD	PO	RT MA	ITLAN	ID					MON	TH -	NOV	77						
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1 2 3 4 5	1 2 2 1	1 2 1 1	1 2 1	1 2 1 1	1 2 1 1	1 2 1	1 2 1	1 2 1 1	2 2 1	2 3 2 1	2 3 ****	1	2 3 1 DATA DATA	I NVA	1 LID -	3 	2 3 1	2 3 1	2 2 ••••		2 2 	2 2 	2 2 1 1	2 2 1	2
7	****	****	• • • •	••••	••••	****	****	• • •	****	****	****	***:	****	0	0	0	0		1	1	1	1	1	1	• • • • • •
9	3	1 3	1 3	1	4	3	3	1	1	1	4	3	3	3	3	3	3	3	1 2 4	1 2 4	2	1 2 4	3	3	3
11 12 13 14 15 16 17 18 19	3 2 2 1 3 0 1 0	3 3 2 1 4	3 2 2 1 3 - 0 0	3 2 2 1 2	2 1 1 0 0	3 2 1 1 0 0	3 3 2 1 1 - 0 0 0 0	3 2 2 1 2 . 0 0 0	4 2 2 1 2 - 0 0 0	4 2 2 1 ****	4 2 2 1 - 0 0 0 0	0 0 0	0 0 0	2 2 2 0 1 0 0	2 2 2 0 2 0 0	2 2	3 2 2 2 . 0 1 0 0 0	3 . 0 0 0	3 2 2 3 . 0 0 0 0 0	3 2 1 3 0 0 0	3 1 2 0 0 0 0	3 2 1 2 . 0 0 0 2 0	3 2 1 2 . 0 0 0 1 0	3 2 1 4 - 0 0	3 2 2 2 2
21 22 23 24 25 26 27 28 29 30	0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0	0000000000	000100000	000000000000000000000000000000000000000	000000000000000000000000000000000000000	0 0 0 0 0 0	000000000	_	002000000000000000000000000000000000000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	000000000000000000000000000000000000000	1 0 0 1 0 0 0	1 0 0 5 0 0 1	20000	2 0 0 1 0 0 1 0	1 0 0 1 0 0 0 0	0 0 0 0 0 0 0	000000000000000000000000000000000000000	00000000	0 0 0 0 0 0 0 0 0 0	000000000	0 0 1 0 0 0 0 0 0 0 0	0 0 1 0 0 0 0 0 0 0	0 0 0 0 0 0 0
MEAN	1	1	1	1	1	1	1	1	1	1	1	1	ĵ	1	1	1	1	1	1	1	1	1	1	1	0.9

PERCENTAGE OF DATA VALID - 85.8 PERCENTAGE OF DATA INVALID - 10.8

PERCENTAGE OF DATA UNAVAILABLE - 3.3

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POL	LUTANT	- 5	ULPH	UR DIO	XIDE								UNITS	- 0.0	01 PAF	RTS/MI	LLIO	N						
	STA	TION -	wc	NO	22011		DEAMUDE	PORT	MAI	TLAN	D					MONT	н - р	EC	77						
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	0050000000001100	0 1 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0010100000 001000	0010100000 001000	0000000010 001000	0100010000	0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	000000000000000000000000000000000000000	010010000000000000000000000000000000000	0 0 1 0	0 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 3 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	030000000000000000000000000000000000000	020000000000000000000000000000000000000	030000000000000000000000000000000000000	010000000000000000000000000000000000000	000000000000000000000000000000000000000	00000000000000000	010000000000000000000000000000000000000	010000000000000000000000000000000000000	000000000000000000000000000000000000000	000000000000000000000000000000000000000	010000000000000000000000000000000000000	040000000000000000000000000000000000000	010000000000000000000000000000000000000
17 18 19 20	0 1 0	0 1 0	0 0 1 1	1 1	1 0 1 1	1 0 1	1 0 1	1 0 1 1	1 0 1	2 D 1	0 1	0 1	0 0	2 0 0 1	0 0	0 0	0 0	0 0	1 0 0	1 0 0	0 0 1	0 0	0 0 1	0 0 1	1 0 1
21 22 23 24 25 26 27 28 29 30	1 2 2 1 1 1 1 1 0	1 2 5 1 1 1 1 1	2 2 3 1 1 1 1 1 1 1	2 3 1 1 1 1 1 1 1	2 1 6 0 1 1 1 1 1 1 1 0	1 1 5 0 1 1 1 1 0	1 1 4 0 1 1 1 1 1 1	1 0 4 0 1 1 1 1	1 1 3 0 1 1 1	0 2 4 1 1 1 1 1 1 1 1	2 4 2 1 1 1 2			0 1 6 2 1 1 1 1 2 INVALI		0 1 2 2 1 2 1 1 1 1	0 1 2 2 1 3 1 1 1	0 1 2 2 1 1 1 1	0 1 2 3 1 2 1 1	0 1 2 3 1 1 1 2	1 2 2 2 1 1 1 2	1 3 2 2 1 1 1 1 2	1 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2 2 1 1 1 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0	1 2 4 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
MEAN	1	1	1	1	,	1	1	1	1	1	,	1	1	INVALII	1	1	,	1	1	1	1	1	1	1	0.7

PERCENTAGE OF DATA VALID - 91.9 PERCENTAGE OF DATA INVALID - 8.1

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1977

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

TATION - WC	NO 22011 DEAMUDE PORT	MAITLAND		
MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
MAL	19	1.0	4	10
FEB	24	0.9	5	9
MAR	31	0.6	2	11
APR	30	1.1	4	21
MAY	31	1.3	4	16
JUN	30	1.0	2	8
JUL	22	3.8	8	37
AUG	14	0.5	2	6
SEP	19	1.6	4	6
OCT	23	0.7	2	9
NOV	24	0.9	3	5
DEC	29	0.7	4	10
YEAR	296	1.1	В	37

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1977

POLI	LUTANT - SUI	PHUR DIOXIDE				UN	ITS - 0.01	PARTS/MILLION
ST	ATION - WC	NO 22011	DEAMUDE	PORT M	AITLAND			
	MONTH DO	TO 04 05 TO	10 11	TO 14	15 TO 25 2	6 10 39 40	80VER	TOTAL
	JAN	467	17	0	o	0	0	484
	FEB	551	36	0	0	o	0	587
	MAR	726	13		0	0	0	740
	APR	690	25	3	2	0	0	718
	MAY	702	31	7	1	0	0	741

JUN 701 14 0 0 0 0 715 JUL 360 183 1.1 0 0 0 0 413 AUG 402 0 SEP 484 0 0 0 493 7 0 0 OCT 570 0 577 0 618 NOV 617 0 0 684 DEC 9 0 675 0 7320 356 YEAR 6945

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT
OF DATA
VALID MIN 10 30 50 70 90 95 98 99 MAX MEAN

83.6 0 0.0 0.0 0.1 0.8 2.8 4.1 6.5 7.6 37 1.1

UNITS - 0.01 PARTS/MILLION

																122721		2000							
	STA	MOITA	. WC	NO 2	22023	1	WRAY A	INOR	RD PI	MAI	TLAND					MON	тн	JAN	77						
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1 2 3	1 0 2	0	0	0	1 0 2	0 2	0 1 3	0 2 3	0 1 3	0 1 4	0 2 4	1 1 3	0 2 4 4	0 2 5 2	0 1 4	0 1 4	0 1 4	1 4	1	0	3	1 4	4	2	0 1 3
4 5 6 7	5 0 11 5	5 1 9 3	5 7 3	5 1 7 3	3 6 4	2 1 2 5	1 4 1	1 1 4 1	1 1 7 1	3 1 1 5	1 2 1 5	1	1 2 	2 3 1 2	1 B 3	8 6 2	1 7 6 2	1 7 1 3	1 3 5 4	1 5 1 3	1 4 0 3	1 4 0 4	2 3 0 7	11 4 2 4	1 4 3 3
10	4 3	3 3	3	3	1	1 2	2	1 2	2	2	5 2	1 2	3	1 2	1	1		1	1	1	1	1	0	0	2
11 12 13 14 15 16 17 18 19 20	1 1 8 5 3 0 2 3	1 3 2 7 7 4 1 3 2 1	0 3 1 9 5 1 1 2 2	0 3 3 9 5 1 1 2 2	0 3 8 3 0 1 2 2 2	0 4 2 6 3 1 2 3 5 3	0 5 3 1 2 4 3	0 4 2 5 4 1 2 4 2 3	0 3 6 2 1 2 5 1 3	0325212633	0 3 4 4 3 1 1 6	0 3 4 4 2 1 1 4 - 5	0 3 4 2 1 2 2 3 6	0 2 3 5 4 1 1 1 2 5	0 2 3 5 3 1 2 2 1 5	0 2 4 5 2 1 2 6 1 4	1 2 4 5 3 3 2 1 1	2 2 3 5 3 5 2 2 1 4	2 5 3 3 2 1 3 8	1 4 2 5 4 5 4 2 3 7	2 4 4 4 6 4 5 2 4 6	1 2 3 4 4 2 4 3 0 6	2 1 3 4 6 5 2 2 1 5	1 5 4 3 2 2 2 1 5	336422324
21 22 23 24 25 26 27 28 29 30	5 2 2 8 7 1 1 2	5 2 2 10 5 1 1 2	4 3 2 12 5 1 1 3 2	4 4 2 12 5 1 1 3 2	3 5 2 10 5 2 1 2 2	352852132	3 4 2 7 5 1 1 4 2	3 2 7 4 1 1 5	4 3 2 7 4 1 2 5	4 3 3 7 3 1 1 5 2	5 3 5 7 3 1 1 4 2	4 2 5 7 4 2 1 2 2	3 5 5 7 3 4 1 1 2 DATA	2 8 6 2 3 1 1 2 I NVA	2 5 5 6 1 3 1 1 2	2 6 3 6 2 1 1 1	1 6 3 6 2 2 2 1 2	255681 2121	4 4 6 2 2 2 1	2 1 ••••	2 3 3 6 1 3 2	2 3 6 1 3 1	32561212	2 6 6 1 2 1 1	3 4 3 7 3 2 1 2 2
31	****	****		••••	••••	••••	••••	••••	••••	****	••••		****	****	••••	****		••••	****	••••		****	••••	2	*****
MEAN	3	3	3	3	3	3	2	3	3	3	3	3	3	2	2	3	3	3	3	3	3	2	3	3	2.7

PERCENTAGE OF DATA VALID - 92.2 PERCENTAGE OF DATA INVALID - 7.7

PERCENTAGE OF DATA UNAVAILABLE - 0.1

NOTES 1. ****** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEJS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

UNITS - 0.01 PARTS/MILLION POLLUTANT - SULPHUR DIOXIDE MONTH - FEB 77 STATION - WC NO 22023 WRAY MINOR RD PT MAITLAND 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 MEAN 1 1 3 10 10 3 2 1 2 11 12 13 14 15 16 17 18 19 20 1 2 1 0 0 0 0 0 21 22 23 24 25 26 27 28 2 2.0 2 2 MEAN

PERCENTAGE OF DATA VALID - 92.1

PERCENTAGE OF DATA INVALID - 7.7

PERCENTAGE OF DATA UNAVAILABLE - 0.1

- 2. .. INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEJS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNITS . O. OT PARTS/MILLION

	ST	MOITA	- WC	NO	22023		WRAY	MINOR	RD P	I AM T	TLAND					MON	TH -	MAR	77						
HOUR	- 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	,	1	1	1	1	1	5	6	5	2	4	4	5	4	3	1	0	1	1	1	1	2
2	- 1	- 1		1	2	2	- 1	1	1	1	1	2	2	2	2	2	2	2	1	1	1	1	1	1	1
3	- 1	- 1	- 4	1	1	1	2	3	3	3	4	3		4	2	2	2	3	2	3	4	3	2	3	2
4	2	2	2	1	1	1	1	1	1	1	1	1	2	1	1	0	1	1	0	0	0	0	-1	1	1
	- 1	- 7	- 1	1	- 1	1	1		1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1
6	2	2	- 4	1	- 1	- 1	- i	2	2	2	5	1	1	1	1	1	1	1	1	1	1	2	1	1	1
7	- 1	- 7	- 4	1	- 1	- 4	- 1	1	1	1	1	1	3	1	1	1	1	1	1	1	3	1	- 1	1	1
8	ò	ó	ò	1	- 1	2	2	2	4	4	4	3	2	1	1	1	1	1	1	1	1	2	3	2	2
9	2	2	4	4	4	3	3	2	2	2	2	2	1	2	1	1	1	1	1	1	2	1	1	1	2
10	7		2	2	2	3	3	2	2	3	2	2	2	5	4	3	2	2	2	2	2	2	2	2	2
10			*		-					-	-	_	_	_		_			_						
1.1	2	2	2	2	2	2	2	2	2	3	4	4	5	4	3	3	3	3	2	2	2	3	3	3	3
12	á	1	1	1	1	1	- 7	1	2	1	1	1	1	1	1	1	1	ō	0	0	0	0	0	0	1
13	0	ò	ò	ó	Ó	ó	o	ò	ō	0	0	o	- 1	î	1	1	1	1	1	1	1	0	0	0	0
14	0.	ő	0	0	0	0	****	****					****	****	****					****	****			****	*****
15	U	U	U										DATA	INVA	IID -										
16												-		INVA											
17							****			****			1	1	1	1	1	0	0	0	0	0	0	0	*****
18				2	2		4	4	4	4	0	0		ó	ò	Ö	0	0			1	1	0	0	1
19	0	0	1	ő	ő	ò	ò	ò	ò	- 4	1	1	- 1	1	1	ō	ō	0	0	0 2	0	1	1	1	0
20	0	0	0	1	1	1	1		1	- 4	2	- 1	ò	0			1	2	3	2	3	1	1	1	1
20	0	U	U					,	,		•							-		~					
21	0	0	0	0	0	0	0	0	0	2	2	2	3		2	2	3	2	1	1	1	1	2	2	1
22	2	2	2	2	2	2			1	- 7	- 7	- 1	1	0			0	0	0	o	ò	0	0	0	1
22	1	- 1	1	ő	ő	ő		ô		ò	o	ò	ò			0	0		0	o	Ö	0	0	0	0
23	ò	ò	0	ő		0				ő	0	ő				o o	o		ő	o	ő	0	0	0	0
24		1		2		1	2			2		1				0	0		o	Ö	ő	0	0	0	1
25	0	0	2	0	0		0	ő		ő	0	o			ő		0		ő	ő	ő	Ö	0	0	0
26 27		0	0	0	0	0				0	1	ő					o	0	ő	ő	ő	0	0	0	0
	0			0		0				0	ò	0					ĭ	ĭ	1	ő	ő	0	0	0	0
28	0	0	0	0	1		1				·		ő	0			- 4	- 1	- 1	ĭ	ĭ	o	0	0	1
29	0	0	1	1		1		0	1	- 1	- 1	- 4	ő				- 4		-	- 1		ĭ		****	1
30	0	0	0	0	0	- 0		U	7	,				U		,		*	*	- 1		19.			
31	0		0	••••	***	****	****		0	0	0	0	0	1	1	••••	••••	••••	****	••••	••••	****	••••	••••	*****
MEAN	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1.	1.0

PERCENTAGE OF DATA VALID - 86.7

PERCENTAGE OF DATA INVALID - 13.3

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. *- INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

POLLUTANT - SULPHUR DIOXIDE UNITS - 0.01 PARTS/MILLION STATION - WC NO 22023 WRAY MINOR RD PT MAITLAND MONTH - APR 77 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 MEAN HOUR 5 6 1 ...1 ...1 ...0 01 ...1 ...0 0 1 1 1 1 1 ****** O O O O
DATA INVALID DATA INVALID DATA UNAVAILABLE
DATA UNAVAILABLE 1 1 0 0 1 0 0 0 0 5 6 7 9 - DATA UNAVAILABLE
- DATA UNAVAILABLE 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 - DATA UNAVAILABLE - DATA UNAVAILABLE
- DATA UNAVAILABLE
- DATA UNAVAILABLE
- DATA UNAVAILABLE
- DATA UNAVAILABLE
- DATA UNAVAILABLE
- DATA UNAVAILABLE
- DATA UNAVAILABLE
- DATA UNAVAILABLE
- DATA UNAVAILABLE
- DATA UNAVAILABLE
- DATA UNAVAILABLE 29 30 0 0 0 1 1 1 1 0 0 1 1 1 1 0.5 1 0 0 0 MEAN 1 1 0 .0 1 0

PERCENTAGE OF DATA VALID - 3.5

PERCENTAGE OF DATA INVALID - 8.6

PERCENTAGE OF DATA UNAVAILABLE - 87.9

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNITS - 0.01 PARTS/MILLION

	ST	ATION	- WC	NO	22023	1	WRAY N	MINOR	RD P	T MAI	TLAND					MON	TH -	JUN	77							
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1 2 3 4 5 6 7 8 9	æ											- DAT - DAT - DAT - DAT - DAT - DAT - DAT	A UN A UN A UN A UN A UN A UN	AVAIL AVAIL AVAIL AVAIL AVAIL AVAIL AVAIL AVAIL AVAIL	ABLE ABLE ABLE ABLE ABLE ABLE ABLE ABLE											
11 12 13 14 15 16 17 18 19	2 2 1 3 2 1 0	2 2 1 3 2	1 2 1 3 1 0	1 1 3 1 0 0	1 1 1 3 1 0	1 1 3 1 0 0	1 1 0 2 1 1 0	1 1 0 2 1 1 0	1 0 0 1 1 0 0	1 0 2 1 1 0	0 0 1 2 1 0 1			AVAIL 1 1 1 1 1 1			1 1 1 2 1	1 2 1 1 2 1 1	1 2 2 2 2 1 1	1 2 2 2 2 1 1	1 2 3 2 2 1 1	1 2 2 2 1 1 1	3 2 2 3 2 1	2 2 3 1 1 1	1 1 1 2 1	
21 22 23 24 25 26 27 28 29 30	1 1 1 4 1 2 1 1 1 1 1	1 1 1 4 1 2 1	0 1 3 1 1 1 2	0 0 0 1 2 1 1 0 1	0 0 0 0 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0 0 0 0 2 1 1 0 1 1 1 1 1 1 1 1 1 1 1 1	1 0 0 0 2 1 1 0 0 1	1 0 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0 0 0 1 2 1 0 0 1 1	1 1 1 1 2 1 0 0	0 1 2 2 1 2 1 0 0	0 1 2 3 1 2 - 0 0	0 1 1 3 1 2 2 0 0 2	0 1 1 3 2 2 2 1 0	0 1 1 4 2 2 1 0 0	2 1 0	1 1 3 2 2 1 2	3 1 1	2 1 3 2 3 1 1	1 1 2 2 2 2 0 1	1 1 2 2 0 2 1	1 1 2 1 2 0 1 1	1 1 2 1 2 0 1	1 1 3 1 2 1 1	1	1 2 2 2 1 1 1 1
MEAN	2	2	1	1	1	i	i	1	1	1	1	1	1	1	1	,1	1	1	2	1	1	1	1	2	1.4	2

PERCENTAGE OF DATA VALID - 53.5 PERCENTAGE OF DATA INVALLD - 4.9 PERCENTAGE OF DATA UNAVAILABLE - 41.7

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- -- * INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POLI	LUTANT	- S	ULPHU	R DIO	CIDE						Ų	NITS	- 0.0	DI PAR	RTS/MI	LLION								
	STA	TION -	WC	NO 2	2023	WRA	Y MINOR	RDP	T MAIT	LAND					MONT	H - U	UL	77							
HOUR DAY	1	2	3	4	5	6	7 8	9	10	11	12	13	14	15	16	17	18	. 19	20	21	22	23	24	MEAN	4
1 2 3 4 5 6 7 8 9	1	1	1	1 2	1 2	1 2	1 2	0	1	1	- DAT - DAT - DAT - DAT - DAT - DAT	4 UNI 4 UNI 4 UNI 4 UNI 4 UNI	1 O INVALI LVAILA LVAILA LVAILA LVAILA LVAILA	BLE - BLE - BLE - BLE - BLE -	•	0	0	0	0	1	1 0	!	!		1
11 12 13 14 15 16 17 18 19	. 0	. 0	. 0 0	. 0 0	. 0	. 0	· · · · · · · · · · · · · · · · · · ·	000	. 0 •		- DAT - DAT - DAT - DAT - DAT O O	A UNI	AVAILA AVAILA AVAILA AVAILA AVAILA O O O	BLE BLE BLE	- - -	0 0	0	000	0 0 0	0 0 0	0	0	0		
21 22 23 24 25 26 27 28 29 30	0 0 0 1 1 0 0 0 0 1	0 0 1 2 0 0 0	0 0 1 3 0 0 0	0 0 1 1 0 0 0	0 0 0 1 1 0 0 0 1 1	0 0 3 1 0 0 0 1 1	0 0 0 0 1 0 2 1 1 0 0 0 0 0 0 1 1 1 1 1	1 1 0 0 0 0 1 1	0 0 0 2 0 1 0 0 1 1	0 0 0 1	0 0 0 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0002000211	0 0 0 0 0 1 1 1 1	0 0 0 1 0 0 0 1 1 1	0 0 1 0 0 1 1 1	0 0 0 1 0 0 0 1 1 1 1	0 0 0 1 0 0 1 1 1	0 0 0 1 0 0 0 1 1 1	0 0 0 0 0 1 1	0 0 0 1 0 0 0 1 1	0 0 0 1 0 0 0 1 1	0 0 0 0 0 0 1 1	000000000000000000000000000000000000000		0 0 0 1 1 0 0 0 1 1
31 MEAN	0	0	1	0	0	1	0 0	-	0	1	1	1	0	0	0	0	0	0	0	0	1 0	0	0		0.4

PERCENTAGE OF DATA VALID - 49.3 PERCENTAGE OF DATA INVALID - 1.2 NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

PERCENTAGE OF DATA UNAVAILABLE - 49.5

- *. * INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEJS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - SULPHUR DIOXIDE UNITS - 0.01 PARTS/MILLION

					10011									0.14.2		0.0		, red in		•							
	ST	ATION	4 - WC	NO.	22023	3	WRAY.	MINOR	RD F	T MAI	TLAND)					MONT	H - 7	UG	77							
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	1	3 1	4	15	16	17	18	19	20	21	22	23	24	MEAN	
1 2 3 4 5 6 7 8 9	1 0 1 0 0 0 0 0 0 0 0	1 0 1 0 0 0	0 0 0 0	1 0 1 0 0 0	1 0 1 0 0 0	1 0 1 0 0 0	2 0 1 0 0 0 0 0	0 0 0 0	1 0 1 0 0 0 0 0	1 1 0 0 0	0 1 1 0 0 0 0 0 0		OATA	2 1 0 0			2 1 1 0 0 0	0 0 0 0	0 0 0 0	1 0 0 0 0 0 0 0 0	1 0 0 0 0 0 0 0 0	00000	1 1 0 0 0 0 0 0 0 0 0 0	00000	000000		1 1 0 0 0 0
11 12 13 14 15 16 17 18 19	0 0 0 1 0 0 1	000000000000000000000000000000000000000	000000000000000000000000000000000000000	0 0 0 0 1 1 0 1	0 0 0 0 1 2 0 1	0 0 0 0 1 2 0 2	0 0 0 0 1 0 1	0 0 0 0 0 1	0 0 0 0 0 0 1	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2 0 0	- E)	0 1 1 0 2		0 0 0 0 0 1 0 2	0 0 0 0 1 0 2 1	0 0 0 0 0 1 1 2	0 0 0 0 2 2 1 1	0 0 0 0 2 1 1 1	0 0 0 0 0 1 1 1	0 0 0 0 0 0 1 1	0 0 0 0 0 1 1	0 0 0 0 0 0 1 1	0 0 0 0 0 0 0 0		0 0 0 0 1 0 1 1
21 22	0	0	0	0	0	0	0	1	1	1	1	1		1 A INV	1 ALID	1	1	†	1	1	1	1	****	****	****		î
23 24 25 26 27 28 29 30	0 0 0	0 0 0	0000	0 0 0	0 0	0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0	0 0 0 0	0 0	- [))) (ATA	1 0 0 0 • 0 • UNAVA	0 0 0 0 0 0	0 0 1 0 0		000000	00000	00000	00000	00000	00000	0000	000		100000
31 MEAN	0	0	0	0	0	0	0	0	0	0	0	- [UNAVA	O O	O .	0	0	0	0	0	0	0	0	0	0	. 3

PERCENTAGE OF DATA VALID - 71.2 PERCENTAGE OF DATA INVALID - 7.7

PERCENTAGE OF DATA UNAVAILABLE - 21.1

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POLI	UTANT	- S	ULPHL	JR DIO	CIDE							ı	JNITS	- 0.	O1 PAR	TS/MI	LION							
	STAT	ION -	WC	NO 2	22023	WE	RAY N	MINOR	RD PT	MAITU	AND					MONT	H - SI	P	77						
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1 2 3 4 5 6 7 8 9												- DAT	A UNIA UNIA UNIA UNIA UNIA UNIA UNIA UNI	AVAILA AVAILA AVAILA AVAILA AVAILA AVAILA AVAILA AVAILA	BLE BLE BLE BLE BLE BLE BLE										
11 12 13 14 15 16 17 18 19 20												- DAT	A UN A UN A UN A UN A UN A UN A UN	AVAILA AVAILA AVAILA AVAILA AVAILA AVAILA AVAILA AVAILA	BLE BLE BLE BLE BLE BLE										
21 22 23 24 25 26 27 28 29 30	1	1	i	i	î	2	2	2	2	2	3	- DAT - DAT - DAT - DAT - DAT - DAT	A UN 1 2 DATA DATA IA UN IA UN	AVAILA AVAILA INVALI AVAILA AVAILA AVAILA	BLE 2 D - BLE BLE	. 2 1	1	1	0	1	0	1	1 0	1 3	***************************************
MEAN	â	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	2	1.3

PERCENTAGE OF DATA VALID - 5.1 PERCENTAGE OF DATA INVALID - 4.7

PERCENTAGE OF DATA UNAVAILABLE - 90.1

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNITS - 0.01 PARTS/MILLION

																0.	V. FA	K 13/18	ILLELIC	NIA.						
	51	TATIO	4 - WC	NO.	22023	3	WRAY	MINOR	RD F	AM T	ITLAN	D					MON	тн -	ост	77						
DAY	1	2	3	4	5	6	7	8	9	10	11		12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1 2 3 4 5 6 7 8 9												* * * * * * * * * * * * * * * * * * * *	DATA DATA DATA DATA DATA DATA DATA		AVAILA AVAILA AVAILA AVAILA AVAILA AVAILA	BLE BLE BLE BLE BLE BLE BLE	* * * * * * * * * * * * * * * * * * *									
11 12 13 14 15 16 17 18	1 1 0 3 2 2	1 1 0 3 2 2	2 1 0 3 3 3 2	1 1 0 2 3 2	1 1 0 2 3 2	1 1 0 2 3 2	0 0 0 2 3 2	0 0 0 2 3 2	1 0 0 2 3 2	1 0 0 3 3 2	2 0 **** 4 3 3		DATA DATA DATA	UNA	AVAILA AVAILA AVAILA 1 2 0 1 3 3	BLE BLE BLE	-	1 2 0 2 3 3 2	1 2 0 1 3 3	1 2 0 2 3 3 2	1 3 0 2 3 3 2	1 2 0 2 3 3	1 2 0 3 2 3 3	1 3 0 3 2 3 2	1 2 0 3 2 2 2 2	2 0 1 3 3
21 22 23 24	3	2 3	²	2 3	²	²	2 3		4	3 3	3 2	•••	2	2	3 2	3	3 2	2	2 2	2 2	3	3	3 2	2 3	3 2	2 3
													- DA	TA I	NVALI	D -						5700		116 55 6	1000	
25		2	-	1000			-	ř	117	-					***	3	3	2	2	į.	1	- 2	•	-	_	
26	2	2	2	2	2	1	1	1	1	1	2		1	1	2	2	3	6	4	3		1	2	2	2	100000000000000000000000000000000000000
27	1		1	1	0	0	0	0	0	0	1		1	2	2	î	1	ž			2 3 0	1	1	1	2	2
28	1	1	1	1	0	0	0	0	0	1	1		0	1	1	4	2	6	2	3	3	3	3	2	- 1	1
29	0	0	0	0		0	0	0	ō	2	1		ĭ	ò	ó	ò	ő	ő	0	0	0	3 0 0	0	0	0	1
30	1	1	0	0	0	0	0	0	1	2	2		2	2	2	1	1	1	ő	1	1	1	,	0	0	0
	0	0	0	0	0	0	1	1	1	1	1		2	1	1	1	1	1	Ť	1	1	2	1.	1	0	1
MEAN	,	1	1	1	1	1	1	1	1	2	2		2	2	2	2	2	2	2	2	2	2	2	2	2	1.6

PERCENTAGE OF DATA VALID - 48.0 PERCENTAGE OF DATA INVALID - 4.7

PERCENTAGE OF DATA UNAVAILABLE - 47.3

NOTES 1. ****** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ******* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POL	LUTANT	r - s	SULPH	UR DIO	XIDE							1	JNITS	- 0.0)1 PAF	RTS/M	11110	N						
	STA	TION -	wc	NO	22023	ÿ	VRAY M	MINOR	RD PT	MAI	TLAND						rH - 1		77						
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 M	EAN
1 2 3 4 5 6 7 8 9	0 0 0 0 0 0 0 1	0 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 1 1 0 0 0 0 1 0 1	0 1 0 0 0 0 1 0 1	0 0 0 0 0 0 1 0 1	0 0 1 0 0 1	0 0 0 0 0 0 1	0 1 0 0 0 0 0 0 0 1	1 0 0 0 0 0 0 1	1000000001	1 0 0 0 0 0 0 0 0	000000010	001000010	00100000000	0 0 1 0 0 0 0 0 0 2 0	001000000	0 0 0 0 0 0 1 1	1 1 0 0 0 0 0 1 1	1 1 0 0 0 0 0 1 6	1 2 1 0 0 0 0 0 1 3	1 1 0 0 0 0 0 1 6	1 1 0 0 0 0 0 0 1 3	0100000018	0 1 0 0 0 0 0 0 1 2	0 1 1 0 0 0 0 0 1 2
11 12 13 14 15 16 17 18 19	1 2 0 0 4 1 1 3 7 0	1 8 0 5 1 2 3 4	4 3 0 0 4 1 5 1 5	3 1 0 4 1 1 0 1	1 0 0 0 3 1 1 0 6 1	1 0 1 0 3 1 1 0 8	0 0 1 0 3 1 1 0 10 0	0 0 1 0 3 1 0 5 0	0 0 1 0 3 1 0 0 2 0	0 0 1 0 3 1 0 0 1 0	0 0 1 0 3 2 0 0 0 0	0 0 1 0 3 1 2 0 0 0	0 0 1 1 3 1 0 0	0 0 1 1 3 1 2 0 0 0	0 0 1 1 2 1 4 0 3	0 0 1 1 1 3 0 1 0	0 0 1 2 1 1 3 1 0 0	1 0 1 2 1 1 3 1 1 1	4 0 0 1 1 2 4 0 1	0 0 1 1 1 0 1 0 2	00012102001	000211001401	0 0 1 3 1 1 2 9 0 0	0 0 1 4 1 1 2 6 0 0	1 1 1 2 1 2 1 2 0
21 22 23 24 25 26 27 28 29 30	0 5 1 2 0 7 4 1 3 2	0923001222	0 1 1 3 0 1 2 2 3 2	0802059222	0 8 0 5 0 10 7 2 2	0505038522	0 2 0 8 0 0 1 0 2 4	0208101429	0 1 0 5 1 1 1 3 2 6	0 0 2 1 1 1 6 2 4	3	0 0 1 0 1 1 2 2	0 0 0 2 1 1 2 8 3 2	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 1 0 0 1 2 2 1	4 0 1 0 1 7 1 1	0 0 0 0 1 0 2 3 1	0 0 0 2 0 0 1 4 1 1	2 0 1 5 0 0 1 3 2	4 0 1 9 0 5 1 8 2 0	0 0 1 9 3 6 0 7	1 0 2 3 5 3 0 5 2 0	1 0 7 7 5 1 0 5 2	6 0 3 1 4 5 1 2 2	1 2 1 4 1 2 2 4 2 2
	-	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	2	1	1.2

PERCENTAGE OF DATA VALID - 99.3 PERCENTAGE OF DATA INVALID - 0.7

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

UNITS - 0.01 PARTS/MILLION POLLUTANT - SULPHUR DIOXIDE MONTH - DEC 77 WRAY MINOR RD PT MAITLAND STATION - WC NO 22023 24 MEAN 23 13 14 15 16 17 18 19 20 21 22 8 9 10 11 12 HOUR 5 6 7 0 **** **** 0 0 0 0 0 0 0 0 1 2 3 4 5 6 7 8 9 10 0 0 0 0 DATA INVALID DATA INVALID DATA INVALID 2 2 1 0 2 1 2 2 1 0 ò 2 2 7 1 4 2 5 2 3 2 3 1 3 2 4 1 2 1 0 2 2 2 2 2 2 6 1 6 1 2 2 2 2 2 2 0 2 2 2 2 2 2 2 2 23200 4 2 2 0 0 3 2 2 2 2 2 2222 11 12 13 14 15 16 17 18 19 20 2 4 2 23202 0 2 0 1 2 220 - DATA INVALID - DATA UNAVAILABLE DATA UNAVAILABLE DATA UNAVAILABLE DATA UNAVAILABLE DATA UNAVAILABLE - DATA UNAVAILABLE
- DATA UNAVAILABLE
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- DATA UNAVAILABLE
- DATA UNAVAILABLE 21 22 23 24 25 26 27 28 29 30 - DATA UNAVAILABLE -31 2 1 1.6 2 1 1 1 1 2 2 2 MEAN

PERCENTAGE OF DATA VALID - 35.2

PERCENTAGE OF DATA INVALID - 14.9

PERCENTAGE OF DATA UNAVAILABLE - 49.9

NOTES 1. ****** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

3. ******* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1977

MONTHET SUMMARE	OF HOURET AND 2-HOURE	T DATA FOR 1977		
POLLUTANT - SUL	PHUR DIOXIDE		UNITS - 0.01 PARTS/MILLE	ON
STATION - WC N	O 22023 WRAY MINOR	RD PT MAITLAND		
MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	29	2.7	7	12
FEB	25	2.0	6	11
MAR	26	1.0	3	6
APR	0	0.5	****	1
MAY		DATA UNAV	AILABLE	
JUN	15	1.2	2	4
JUL	15	0.4	1	3
AUG	22	0.3	1	2
SEP	1	1,3	1	3
ост	14	1.6	3	6
NOV	30	1.2	4	11
DEC	10	1.6	3	7
YEAR	187	1.4	7	12

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

MONTHL	v .c.	ALLE		-011-	NOV				101															
								BUI	ION	FOR	19	77												
POLLUTA	NT -	SUL	PHI	JR D	IOX	IDE											UN	trs -	0.0	1 PARTS	/MIL	LION		
STATIO	٠. ١	wc	NO	220	23		WRA	Y M	INO	R RD	PT	MΔ	ITLA	ND										
M	HTMC	00	TO	04	05	то	10	11	TO	14	15	TO	25	26	то	39	40	&OVE	R	TOTAL				
	JAN		•	559			123			4			0			0			0	686				
	FEB			552			65			2			0			0			0	619	r			
3	MAR			538			7			0			0			0			0	645				
	APR			25			0			0			0			0			0	25				
1	Y A N				DA	TA	UNAV	AIL.	ABL	E														
į.	JUN		5	385			0			0			0			0			0	385				
9	JUL		3	367			٥			0			0			0			0	367				
	AUG			530			0			0			0			0			0	530				
	SEP			37			0			0			0			0			0	37				
9	DC T		3	354			3			0			0			0			0	357				
	VOV		6	662			52			1			0			0			0	715				
1	DEC		2	251			11			0			0			0			0	262				
Y	EAR		43	360			261			7			0			0			0	4628				
FREQUE					ON E	BY (PERC	ENT:	LE	5														
		OF C	ATA		MI			10			30	F	REQU 50		DI			IONS	PERC					
		***			m I r			18.6			30		50			U		90	3	95	98		99	MAX

0.0

0.0

0.5

1.2

2.9

7.1

4.3 5.9

MAX

12

1.4

UNITS - 0.01 PARTS/MILLION

	ST	ATION	i 6 7	NC NO	22071		EXPER	HIMEN.	TAL FA	RM S	MCCE						MON	TH -	JAN	77							
HOUR	1	2	3	4	5	6	7	В	9	10	11	12	13	3	14	15	16	17	18	19	20	21	22	23	24	MEA	N
1 2 3 4												- D	ATA I	ANU ANU	VAILA VAILA VAILA	BLE	*										
6 7 8 9	0 3 0 2 0	0 2 0 1 0	0 2 0 1 0	0 0 0	0 0 0	0 0 0	0 0 0	0 2 0 0	0 0 0	0 0 0 0	0 0 0	1		4 0 3 0	4 0 2 0 0	7 0 1 1 0	7 0 0 1 0	0 6 0 2 2	0 2 3 0	0 2 0 1 2	0 3 0 1 2	0 2 0 1 0 0	0 2 0 3 0 0	0 3 0 3 0	2		2 1 1 1 0
11 12 13 14 15	0 1 7 3	0 0 1 7 2	0 0 1 7 2	0 1 6 2	0 1 6 3 1	0 1 1 4 4	0 2 1 3 2	0 1 1 3 2 1	0 1 1 3 2	0 2 3 3 2	0 2 5 4 1	0 2 4 4 2		0 1 4 3 2 1	0 1 3 3 2	0 1 3 3 2 2	0 1 3 3 2 2	0 1 6 3 2	0 1 6 3 2	0 1 4 3 2	3 3 1	0 2 3 3 2	0 1 4 3 1	0 4 3 1	5 3 1		0 1 3 4 2
17 18 19 20											2				NVALI NVALI				3	3	****	4	4		****	•••	
21	4	4	4	4	4	4	4	3	3	4	3	3		3	2	2	2	2	2	2	2	2	2	2			3
22	2	1	1	1	2	2	3	3	4	4	5	4		4	4	3	3	3	3	2	2	ī	1	1	1		3
23	1	1	1	1	1	1	2	2	2	2	3	4		6	6	5	5	5	5	4	4	4	5	7			3 4 7
24	9	10	11	10	9	8	7	7	7	6	-	5		5	5	5	6	5	6	5	5	5	5	5	- 2		7
25	4	4	4	5	4	4	3	3	3	2	2	2		2	2	2	1	1	1	1	1	ī	1	1	1		2
26	- 1	1	1			1	- 1	1	1	1	1	2		2	1	1	1	2	2	1	1	2	2	1	1		1
27	1	1	1	1	1	0	0	1	1	1	1	1	-	1	1	1	1	1	1	1	1	2	3	2	- 1		1
28	2	1	1		2	2	2	3	3	5	3	- 1	(0	0	1	1	1	0	0	1	0	0	1			1
29	1	1	1	0	0	0	0	0	0	1	1	1	2	1	1	1	0	0	0	1	1	1	1	1		k .	1
30	1	1	1	1	1	0	0	1	1	1		1	(0	0	0	0	0	0	1	1	1	1	1		(1
31	1	1	1	1.	1	1	1	1	1	1	1	1	-	1	1	1	1	1	1	1	2	2	1	15	1		1
MEAN	2	2	2	2	2	2	2	2	2	2	2	2	-	2	2	2	2	2	2	2	2	2	2	2	2		1.8
PERCEN	TAGE	OF DA	TA V	ALID -	75.			PERC	ENTAGI	E OF (DATA	INVAL	ID -	9	. 7		PI	RCEN	TAGE C	F DAT	A UNA	VAIL	ABLE -	15.	2		

NOTES 1. ****** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. *- INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	PO	LLUTA	NT -	SULPH	UR DI	OXIDE								UNITS	- 0.	01 PA	RTS/M	ILLIO	N						
	ST	ATION	- 4	C NO	22071		EXPER	IMENT	AL FA	RM SI	MCOE					MON	тн -	FEB	77						
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	. 19	20	21	22	23	24	MEAN
1 2 3 4 5 6 7 8 9	1 1 4 1 0 0 1 1 4 4	1 0 4 1 0 0 1 1 5 4	1 0 3 1 0 0 0 1 4 3	1 0 5 1 1 0 0 1 5	1 0 3 1 1 0 0 2 6 3	1 0 2 1 1 0 0 2 6 3	1 0 3 1 0 0 0 3 5 3	1 3 1 0 0 0 3 5 3	1 1 3 1 0 0 0 4 6 2	1 1 3 1 0 0 1 4 6	1 2 1 1 0 1 4 6	1 1 2 1 1 0 1 *****	1 2 2 1 1 0 1 5 6 3	1 1 2 1 1 0 1 3 5	0 1 1 1 0 1 3 5 3	1 2 1 1 1 0 2 2 4 6	0 2 1 1 1 2 3 4 8	0 1 1 0 0 1 3 4	0 1 1 1 0 0 1 3 4 3	0 0 0 1 3 4 3	0 0 0 1 3 4 3	0 3 1 0 0 0 1 3 4 3	1 5 1 0 0 0 1 3 3	1 4 1 0 0 1 1 3 3 5	1 1 2 1 0 0 1 3 5 3
11 12 13	5	4	3	3	3	••••	****	••••	••••	••••	****	-	DATA	INVAL	ID -	••••	••••	****	••••	••••	••••		••••	••••	•••••
14	****	****				****	****	****		****	****	1	1	1	1	1	0	0	0	0	0	0	0	0	*****
15	0	1	0	0	1	1	1	1	0	0	1	1	- 1	1	1	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	1	2	1	1	1	1	0	0	0	1	1	1	0
18	1	1	1	1	2	2	2	2	3	5	7	7	8	7	6	7	7	6	4	4	3	2	2	1	4
19	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	- 1	2	1
20	2	1	1		3	2	2	2	2	1	2	2	2	2	2	2	3	2	1	1	- 1	1	1.		2
21 22 23 24 25 26 27 28	4 1 2 0 0 0 0	7 2 1 0 0 0	5 1 1 0 0 0 1	5 1 0 0 0 1	5 3 1 0 0 0	4 2 1 0 0 0 1	4 2 : 0 0 0 1 0	3 2 1 0 0 0 1	2 3 1 0 0 0 1	1 3 1 0 0 0	0 3 1 0 0 0 1 0	1 3 1 0 0 0	0	0 2 1 0 0 0	0 2 1 0 0 0	0 2 1 0 0 0 1	1 2 0 0 0 1 1	1 2 0 0 0 0	0 0 0 1 0	1 0 0 0 0 0 1 1	1 1 0 0 0 0 1 1	1 1 0 0 0 0 1 1	1 1 0 0 0 0	3 2 0 0 0 1	2 2 1 0 0 0 0 1 0
MEAN	1	1	1	1	1	1	3	1	1	1	1	1	2	1	1	1	2	1		1	1	1	1	1	1.3

PERCENTAGE OF DATA VALID - 88.2 PERCENTAGE OF DATA INVALID - 11.8 PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. *- INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNITS - 0.01 PARTS/MILLION

	\$1	MOITA		C NO	22071	ľ	EXPER	IMENT	AL FA	RM S	MCOE					MON	TH -	MAR	77						
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	0	0	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0		0	0	
2	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	ī	1	1	2	3	4	4	3	ĭ
3	3	3	3	3	2	1	1	1	1	1	1	2	3	3	2	1	1	1	î	- 7	1	- 1	1	1	2
4	1	1	1	1	0	0	0	0	0	0	0	0	0	3	0	0	0	1	Ó	ó	ó	0	0	ò	ō
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	ō	0	0	0	ō	ŏ	1	1	1	ō	ŏ
6	0	1	1	1	1	1	1	1	1	1	1	1	1	1		0	0	1	1	1	ò	ò	o	o	ĭ
7	1	0	0	0	0	0	0	0	0	0		1	2	2	0	2	2	2	2	2	2	1	1	1	1
8	1	1	2	2	1	2	2	2	2	2	3	3	4	4	3	3	3	4	3	3	3	3	3	3	3
9	4	3	3	3	4	3	3	3	3	4	4	4	4	4	3	3	4	3	3	3	3	4	4	3	3
10	3	2	2	2	3	2	3	3	3	3	4	4	4	4	4	3	3	3	3	3	2	2	3	3	3
11	3	3	3	3	3	4	3	3	3	3	3	4	5	4	5	5	5	5	4	4	4	4	4	4	4
12	4	4	3	3	3	3	2	3	3	3	3	3	2	3	3	2	3	2	2	2	2	2	2	2	3
13	2	2	2	2	2	2	2	3	2	2	2	2	2	3	3	3	2	2	2	2	2	2	2	2	2
14 15 16 17	1	2	2	2	2	- 1		1	1	••••	••••	****		••••		****	• • • •			****	• • • •				
15	••••	****	••••	****	••••	••••	****	••••	• • • •	••••	••••		••••	3	5	5	4	4	3	3	3	2	2	2	*****
16	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
17		1	,	1	1	1	1	- 1	1	1	****	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0		1	0	0	1	0	0	0	0	0	0	0	0
		U	0			U		0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	1	1		3	2	2	2	2	2	2	4	3	2	10	1	
22 23 24 25 26 27 28 29 30	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	0
23	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	1	1	О	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0
27	0	1	0	0	0	0	0	0	0	0	1	2	2	3	2	1	1	1	1	1	0	0	0	0	1
28	1	1	1	1	- 1	1	0	1	1	1	1		0	1	1	1	1	1	1	1	1	1	1	1	1
29		1	1	1	- 1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1
	1		1	1	1	1	1	1	2	3	2	2	2	2	3	3	2	2	2	2	1	1	1	1	2
31	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
MEAN	1	1	1	1	1	1	1	1	ž	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1.2

PERCENTAGE OF DATA VALID - 95.6 PERCENTAGE OF DATA INVALID - 4.4

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. " *** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POI	LLUTAN	IT -	SULPH	UR DI	OXIDE								UNITS	- 0.0	DI PAR	RTS/MI	OILLI	N						
	ST	ATION	- w	C NO	22071		EXPER	IMENTA	L FA	RM SIN	COE					MONT	TH - A	PR	77						
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1 2 3 4 5	1 0 1 0 1	1 1 0	1 1 0 1	1 1 1	1 1 1 1	1 1 1	1 0 1 1	1 0 1 1	2 0 1 1	1	1 1 1	1 1 0 0	1 1 0 0	0 1 1 0 0	0 1 1 0	0 1 1 0	0 1 1 0	0 1 0 1	0 1 0 1	0	0 1 0 0	1 1 0 0	1 0 0	0 1 0 0	1 1 1 0
6 7 8 9	0 1 1 0	0 1 1 0	0 0 1 1 0	0 0 1 1 0	0 0 1 0 1	0 0 1 0	0 0 1 0 1	0 1 1 2	0 0 1 1 2	1 1 2	1 1 2		0 1 1 1 3	0 1 1 1 3	0 1 1 1 3	0 1 1 1 4	1 2 4	1 1 3	0 1 1 1 2	1 1 2	0 1 1 1 1	0 1 1 1	0 1 1 1	0 1 1 1 2	0 1 1 1 2
11 12 13 14 15 16 17 18 19	2 2 1 1 0 0 1 1 1 4	2 2 1 1 0 0 1 1 1 4	2 2 1 0 0 0 0 1 1 4	1 2 1 0 0 0 0 1 1 5	1 2 1 0 0 0 0 1 1 5	1 2 1 0 0 0 0 1 1 4	1 2 1 0 0 0 0 0 2 4	1 2 1 0 0 0 1 0 2 4	2 2 1 0 1 0 1 0 2 3	2210122023	1 0 0 3 4 1 3 4	1 1 0 1 4 1 4 6	2 1 1 0 1 3 6 1 4 6	2 1 0 1 6 1 4 5	2 1 1 1 1 1 1 6 5	2 1 1 1 0 1 1 7 6	2 3 2 1 1 0 1 1 5 5	2 2 1 0 1 0 1 1 4 4	1 0 1 0 1 2 4 4	2 2 1 0 0 0 0 2 4 3	2 1 1 0 0 1 1 2 4	2 1 1 0 0 1 1 2 4 2	2 1 1 0 0 1 1 1 4 2	2 1 1 0 0 1 1 1 4 3	2 2 1 0 0 1 1 1 3 4
21 22 23 24 25 26 27 28 29 30	3 2 1 0 0 1	3 2 0 0 0 0 1 1 0 1	2 2 0 0 0 0 1 1 0 1	2 1 0 0 	2 1 0 0 0 1 1	0 0 0 0 1	2 1 0 0 1 ****	2 2 0 0 0 1	3 2 0 1 0 1 0	3 2 0 1 0 1 1 0 0 1	3 2 0 1 0 1 2 1 0 1	4 2 1 1 0 1 1 1 1	3 2 0 0 0 1 •••••	3 1 0 1 0 2 1 0 1	3 1 0 0 0 2 1 1 1	2 1 0 0 0 2 1 0 1 1	3 1 0 0 1 1 1	2 1 0 0 0 1 1 1 1 1 1 1	2 1 0 0	2 1 0 0 1 2 1 0	1 1 0 0 0 1 1	010000000000000000000000000000000000000	210011	2 1 0 1 1 2 1 1 0 0	2 1 0 0 0 1
MEAN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1.1

PERCENTAGE OF DATA VALID - 97.1 PERCENTAGE OF DATA INVALID - 2.9

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. .. INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNITS - 0.01 PARTS/MILLION

	ST	ATION	. w	C NO	22071		EXPER	IMENT	AL FA	RM 51	MCOE					MON	FH - 8	YAN	77						
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	2	2	3	3	Ť	2	3	3	3	3	3	3	3	3	3	3	3	3	2	3	2
2	2	2	2	2	2	1	1	1	1	1	1	0	1	1	0	0	0	1	0	0	0	0	0	0	1
3	1	0	ō	ō	0	1	0	0	0		0	0	0	0	1	1	1	1	0	0	0	0	0	0	0
4	1	1	ō	1	- 1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	2	- 1
5	1	1	1	1	2	1	1	1	1	1			****		1	1	1	1	1	1	1	1	1	1	1
6	1	1	1	1	1	1	1	1	D	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	1
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
8	ō	ō	ō	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	ō	ō	o	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 0 0	0	0	0
10	ō	ŏ	ō	ō	0	0	0	0	o	0	0	0	0	1	2	1	0	0	0	0	1	0	0	0	0
11	0	0	0	0	0	0	0	0	0	*	*	*	2	1	1	1	1	1	1	1	1	1	1	1	1
12	ĭ	ĭ	ĭ	1	1	1	1	1	1	1	1	1	2	2	2	2	1	2	2	2	2	2	1	1	1
13	- 1	- 1		2	2	2	2	•		1	1	- 1	1	1	3	2	2	1	1	1	1	1	1	1	1
14		- 1		- 7	ō	ō	1	- 1	- 1	1	1	1	- 1	1	2	3	2		1	- 1	1	- 1	1	1	1
15	- ;	•	- 4	ò	•	1	3	3	2	6	3	5	3	4	10	3	3	1	1	ì	1	1	1	1	2
16	i	i		ĭ		- 1	1	ĭ	1	2		2	2	2	3	3	3	3	2	2	2	2	3	2	2
17	2	2	2	2	2	2	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4	4	4	3
18	3	3	3	3	3	2	2	2	2	3	3	3	3	3	4	5	4	4	4	4	3	2 4 3 3	3	2	3
19	2	5	3	2	2	5	2	2	2		2	2	3	3	3	3	3	3	3	5	5	3	2	2	3
20	2	- 7	•	2	ī	1	ĩ	- 7	- 1	3	2	2	2	3	3	3	3	5	5	6	7	7	7	7	3
••	•			•			,			-	_			-	-	-			-	-					
21	7	7	6	5	5	4	4	4	5	7	9	10	12	14	14	14	14	15	. 15	****				****	9
22														INVAL											
22														INVAL											
24												40	DATA	INVAL	ID -										
25		****		****							0	0	0	0	0	0	0	0	0	0	0	0	0	0	*****
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	1	0	0	1	1	0	0
27	ŏ	1	ĭ		1	1	1	ī	ō	1	1	1	1	2	4	4	2	2	2	2	2	2	2	2	2
28	2	- 1	- 1	1	1	1	1	î	2	5	5	3	3	3	3	3	3	2	2	0 2 2	2	1	1	1	2
29	ī	î	÷	1	1	1	1	í	- 7	1	1	1	1	1	ō	1	1	1	1	0	0	1	1	1	1
30	i	î	i	1	1	1	1	1	î	1	1	1	1	1	1	1	1	1	1	1	1	1	1	- 1	1
						_			- 1							4	5		3	2		2		1	2
31	2	-	,	2	2	2	1	2	_	3	3	2		3	3			4	-	-	2		'		
MEAN	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1.5

PERCENTAGE OF DATA VALID - 87.0 PERCENTAGE OF DATA INVALID - 12.6

PERCENTAGE OF DATA UNAVAILABLE - 0.4

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. .- INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	PO	LLUTA	NT -	SULP	HUR DI	OXIDE								UNITS	- 0.	01 PA	RTS/N	ILLIO	N						
	ST	ATION		NC NO	22071		EXPER	IMENT	AL FA	RM SI	MCOE					MON	TH -	JUN	77						
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	. 19	20	21	22	23	24	MEAN
1 2														INVAL											
3	****	****		****			****	****		0	1	1	1	1	1	0	0	0	0	0	0	0	0	1	*****
4	1	1	1	1	1	1	1	1	1	- 1	2	1	ء ۔	2	,	2			5	ž	- 1	1	1	2	1
5	3	2	,	2	1	1	1	1	- 4	1	ī	1	- 1	7	5	3	2	2	2	5	9	1	0	1	2
6	ī	2	5	1	- 1	1	0	0	•	0	0	0	o	ó	- 7	ĩ	7	- 7	- 7	7	7	- 1	1	1	1
7	î	- 1	- 7	0	0	o	o	0	ó	0	ī	1	2	2	÷	- 4	1	ò	ò	ò	÷	î	1	o	1
8	1	i	ó	o	õ	0	ō	ĭ	ĭ	ĩ	1	1	1	1		•	1	1	ĭ	ĭ	ò	ó	0	1	1
9	1	- 1	2	1	ĩ	2	2	î	- î	o	i	1	1	9	- 1	- 1	1	1	- 1	•	1	1	- 1	1	1
10	1	1	ī	1	1	1	1	1	o	1	o	0	î	1	1	1	1	1	1	1	i	o	0	1	1
11	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1
12	2	1	- 1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	1	1	1	- 3	- 3	2
13	1		1	1	0	1	1				1	1	1	1	1	1.	1	1	1	1	1	1	- 1	- 1	1
14	1	1	1	1	1	1	1	1	2	2	2	2	3	3	3	2	3	3	3	2	2	2	2	2	2
15	2	1	1	1	1	1	1	,	2	1	1	1	2	2	2	2	2	2	2	2	2	1	1	2	2
16	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2
17	2	3	3	3	3	3	3	2	2		****			• • • •	••••		****				****			••••	
18														INVAL											
19														INVAL											
20												77	DATA	INVAL	1D -										
21				****						0	0	0	0	0											*****
22														INVAL	ID -										
23														INVAL											
24										2	2	3	3	3	3	3	4	3	4	4	3	3	3	2	*****
25	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	- 7	ĭ	- 7	- 7	1	1	1	1	2
25 26	- 7	ĩ	1	ō			ō	ō	ō	ō	ō	ō	1	- 1	- 1	1		- 1	ò	ò	ò	0	0	0	ō
27	ó	ò	ó				õ	0	0	1	1	1	- 1	•			- 1	- 1	1	ĭ	1	1	1	1	ĩ
28	1	ĭ	1	1	1	1	1									ò	ó	2	2	•		1	1	1	1
29	1	1	,	- 1	- 1		4	0	0	0	0	0		0	0	ő	ő	ō	ō	ò	ó	Ó	0	Ó	0
30	1	o	o	0	o	o	ò	0	ő	o	1			-				-	-						
MEAN	,	1	1	1	1	1	1	1	1	1	,	1	,	1	1	1	,	1	1	1	1	1	,	1	1.1

PERCENTAGE OF DATA VALID - 66.4 PERCENTAGE OF DATA INVALID - 31.9

PERCENTAGE OF DATA UNAVAILABLE - 1.7

- 2. .. INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT . SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

	-	CLUIA		SULFR	UN 010	,,,,,,,									٠.	36 (1) 10 (6)									
	ST	ATION	- W	C NO	22071		EXPER	IMENTA	LFAR	RM SI	MCOE					MON	TH -	JUL	77						
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1 2 3 4 5 6 7 8 9	1 1 0 0 1 0	1 0 0 1 0	1 0 0 1 0	1 0 0 1 0	0 0 1 0				- 1 1 0 1 0	1 1 0 1 1 0	1 0 1 0	- D/	TA U	INVAL NAVAIL 1 1 0 0	ABLE		2 1 1 0 1 0 0	2 2 0 0 1 0 0	2 2 0 0 1 0 0	2 2 0 0 1 0 0	2 2 0 0 1 0 0	1 1 0 0 1 0 0	1 1 0 0 1 0 0	1 1 0 0 1 0 0	1 1 0 1 0
11 12 13 14 15 16 17 18 19 20	0 1 1 0 0 0 1	0 1 1 0 0 0 0 0	0 1 1 0 0 0 0 1	0 1 0 0 0 0 0	0 1 1 0 1 0 0 0	0 1 1 0 1 0 0 0 0	0 1 1 0 0 0 0 1	0 0 1 0 0 0 0 1	0 0 1 0 0 0 1	0 0 1	0 0 1 0 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 1 0 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 1 1 1 0 1 1 1	1 1 1 2 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2 1 1 2 0 1 1 	2 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2 1 1 2 2 1 0	3 1 2 2 1 0 3	2 2 1 2 1 0 3	2 2 1 2 1 0 2	2 1 1 1 1 0 0 0 2	1 1 1 0 0 1 1	1 1 0 1 0 0 0	1 1 0 1 0 0 0	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
21 22 23 24 25 26 27 28 29 30 31	**** 1 1 2 1 1 1	***** 1 1 2 1 1 1	1 1 2 1 0	1 1 2 1 0	1 1 1 1 0	1 1 1 1 0		1 1 1	1 1 1	1 2 1 1 1 1	0 4 2 1 2 1		DATA DATA DATA DATA C	1 2 3 1	.1D - .1D -	0 1 2 2 1 3	1 3 2 2 2	1 2 3 2 1 2 1	1 1 3 2 1 2 1	1 1 2 2 1	1 1 2 2 1	1 1 2 1 1 2 1	1 1 2 1 1 1	1 1 1 1	1
PERCE	NTAGE	OF DA	ITA V	ALID -	- 65.2			PERCEN	TAGE	OF I	DATA	INVAL	ID -	25 . 1		Р	ERCEN	TAGE (DF DAT	TA UNA	LVA I LA	BLE -	9.	7	

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. *- INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POLI	LUTANT	- 51	LPHU	R DIO	CIDE							L	INITS	- 0.	DI PAI	RTS/MI	LLION	•						
	STA	110N -	WC	NO 2	2071	E	XPERI	MENTAL	FAR	M SIN	MCOE					MON	th - 4	UG	77						
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 M	EAN
1 2 3 4 5 6 7 8	2 0 1 1 2 2 1 1	2 0 1 1 2 1	2 0 1 1 2 1 1 1 1	1 0 2 1 2 1 1 1	1 0 1 1 2 1 0	1 0 1 1 2 1 0 1	1 0 1 1 1 1 0	1 0 1 1 0 1	1 0 1 1 1 0 1	1 0 1 1 1 0 1	1 0 1 1 0 1	1 0 1 2 1 0 1	1 1 2 1 1 1 1	1 1 2 1 1 1 1	1 1 2 1 1 1	0 1 1 2 1 2 1	2 2 1 1 1	0 1 1 1 2 1 1 1 1	0 1 1 2 2 1 1 0	0 1 1 2 2 1 1 1 1	0 1 1 2 1 1 1 1	1 1 1 2 1 1 1 1	1 1 1 1 1 1	1 1 1 1 1 1	1 1 1 2 1
10	1	1	1	1	1	1	0	0	1	1	1	ì	1	1	1	1	1	1	1	1	1	1	1	1	1
11 12 13 14 15 16 17 18 19	1 1 0 0 2 1 0 1	1 1 1 0 0 2 1	1 1 1 0 0 1 0 0 0	1 0 1 1 0 0 0 0 0	1 0 0 1 0 0 0 0	1 0 1 1 0 0 1 0 0 0	1 0 1 1 0 0 1 0 0 0	1 0 1 1 0 0 1 0 0 0	1 0 1 1 0 0 0 0	1 0 1 0 0 1 0 2 1	1 0 1 1 0 1 0	1 0 1 0 2 1 0 1 0	1 2 1 0 2 0 0 1 1	1 0 2 1 0 3 0 0	1 0 2 1 0 3 0 0	1021030011	1 0 2 1 1 3 0 0 1 1	1 1 2 1 1 3 0 0 2 1	1 1 0 1 2 0 0 1 1	1 1 0 1 2 0 0 1 1	1 1 0 1 2 0 0 1 0	1 1 0 1 1 0 1 0	1 0 0 1 0 1 0	1 1 0 0 0 1 0 0 1 0	1 0 1 1 0 1 0
21 22 23 24 25 26 27 28 29 30	0 1 1 0 1 3 3 3 3 2	0 1 2 1 0 1 3 3 3	0 1 2 1 0 1 3 3 3	0 1 2 1 0 1 2 3 3	0 1 2 1 0 1 2 2 3 1	0 1 2 1 0 1 2 2 3	0 1 1 0 1 2 3 3 3 1	1 1 1 0 1 2 3 2 1	1 1 0 1 2 3 2 1	1 1 1 0 2 3 3 2 1	2 0 0 1 2 3 3 2	2 0 1 1 0 2 3 4 2 1	2 0 1 1 0 2 4 4 2 1	3 1 1 1 3 4 4 2	3 1 1 1 4 4 4 2	3 1 1 1 5 4 4 2 2	3 1 1 1 4 4 4 2 2	1 1 4 4 4 2 2	2 1 1 1 4 4 4 2 2	1 1 1 1 3 4 3 2	1 1 3 4 3 2 2	1 1 3 3 3 2 2	1 2 1 1 0 3 3 3 1 2	1 2 1 1 3 3 3 1 2	1 1 0 2 3 3 2 1
31	1	1	1	1	1	1	1	1	1	1	••••	i	2	3	3	3	3	3	2	2	2	2	2	2	2
MEAN	1	1	1	1	1	1	10	1	1	1	1	1	1	1	1	2	2	2	1	1	1	1	1	Ĭ	1.2

PERCENTAGE OF DATA VALID - 99.6 PERCENTAGE OF DATA INVALID - 0.4

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- --- INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEJS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNITS - 0.01 PARTS/MILLION

	PO	LLUIA	V 1 - 3	SULPH	OH DI	UNIDE																			
	ST	ATION	- W	O NO	22071		EXPER	IMENT	AL FA	RM SI	MCOE					MON	rH - S	EP	77						
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1 2	2	2	2	2	2	2	2	2	2	2	2	2	1	3	3	2	3	3	3	2	2	1 2 0	2	2	1 1
3	1	1	1	1	0	1 0	0	0	0	1	1	1	0	2	1	1	1	1	1	- 1	1	1	1	1	1
5	1	1	1	0	2	0	2	0	0	0	****	0	1	1	1	1 2	1	1	1	- 1	!	!	1	1	1 2
7 8	1	1	1	1	1	1	3		••••	1	3			INVAL		3	4	,	4	4	3	3	3	3	
10	3	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
11	1	1	1	1	1	1	0	0	1 2	1 2	1 2	1 2	1 2	1 2	1 2	1 2	1 2	1 2	1 2	1 2	1 2	1 2	1 2	1 2	1
13	1	2	2	2	2	2	1	1	1	1	1	1	1	2	2	2	1	0	0	1	0	0	0	0	1
14 15 16	0	1	1	1	- 1	1	0	0	1	****	0	3		3	3	1	1	1	1	0	1	1	1	1 2	1
17	1 2	1 2	1 2	1 2	1 2	1 2	1 2	1 2	1 2	1 2	2	2	2	2	2	2	2	1	1 0	1 0	1	1		1	2
19	1	2	1	0	0	0	0	0	1	0	0	0		1	0	0	0	o	0	0	o	ò	37	0	o
21 22 23 24 25 26 27 28 29 30	000000000000000000000000000000000000000	0 0 0 2 1 0 0	0 0 0 2 1 0 0	0 0 0 0 0 0 0 2 1 0 0	000000000000000000000000000000000000000	0 0 0 0 1 0 0 0	0 0 1 0 0	0 0 1 0 0 0	0 0 1 0 0 0 0	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0 0 0	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0 0 1 1 1 0 0 0 0 0 0 0	1 0 0 1 2 1 0 0 0 0	1 0 0 1 3 1 0 0 0 0	0 0 1 1 3 1 1 0 1 0	0 0 0 1 2 1 0 0 0 0	0 0 0 1 2 1 0 0 0 0	000000000000000000000000000000000000000	0 0 1 2 1 0 0	000000000000000000000000000000000000000	0 0 0	0 1 0 2 1 0 0 0 0 0	0 0 1 1 1 0 0 0 0 0 0
MEAN	1	1	1	1	1	1	.1	1	1	1	1		1	1	,	1	1	1	1	1	1			,	0.5

PERCENTAGE OF DATA VALID - 93.8 PERCENTAGE OF DATA INVALID - 6.3

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ******* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POLL	UTANT	- SU	LPHUR	DIOX	IDE							1	JNITS	- 0.0	D1 PAR	RTS/MI	LLION							
	STAT	ION -	WC	NO 22	071	E)	KPER11	MENTAL	FAF	RM SIN	COE					MONT	гн - о	CT	77						
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 M	AN
1 2 3 4 5 6 7 8 9	0 0 0 1 2 0 0 2 1	000000000000000000000000000000000000000	0 0 0 0 2 2 0 0 1 1	0 0 0 0 2 2 0 0 1 1	0 0 0 0 2 1 0 0 1 1	0 0 0 0 2 1 0 0 1 1	0 0 0 1 1 0 0 1 1	0 0 0 1 1 0 0 1 1	0 0 0 0 0 0 0 0 0 0 0 0 1 1	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 2 1 0 1 1 1	0 0 0 2 1 0 1	0 0 1 3 1 0 1 1 1	0 0 0 1 2 1 0 1 1 1 1	0 0 0 1 2 1	0 0 0 1 2 1 0 1 1 2	0 0 0 1 2 1 0 1 1 2	0 0 0 1 3 1 0 1 1 2	0 0 0 1 3 1 0 1 1 1	0 0 0 1 3 1 0 1 1 1	0 0 0 1 2 1 0 1 1 1	0 0 0 1 2 1 0 2 0 1	0 0 0 1 2 1 0 2 1 1	0 0 0 1 2 1 0 2 1 1	0 0 0 1 2 1 0 1 1 1
11 12 13 14 15 16 17 18 19 20	1 1 1 0 0 0	1 1 0 1 0 0 0 0 0 1 1 1	1 0 0 0 1 1 0 1 1	1 0 0 0 1 0 0 1 1	1 0 0 0 1 1 0 1 1	1 1 0 0 0 1 1 0 1 1	1 0 1 0 1 1 0 1 1	1 1 1 1 1 1 1 1 0 0 0 1	1 1 1 1 1 1 1 0 1	1 1 2 1 1 1 1 1 1 1	3 1 1 2 1 1 1 1 1 1	3 1 1 1 1 1 2 1 1 1 1	3 1 0 1 2 1 1 2	2 1 1 2 1 1 2 1	2 1 1 2 1 1 2 1	1 1 2 1 1 1 1 1 1 1	1 1 1 2 0 1 1 1 1 1 1 1	1 1 1 1 0 1 1 1 1 1 1 1	1 1 0 1 0 1 1 1 1 1 1 1	1 1 0 2 0 0 1 1 1 1	1 1 0 0 1 1 0 0 1 1 1 1 1 1 1 1 1 1 1 1	1 1 0 0 1 0 0 1 1 1 1	1 1 0 0 1 0 0 1 1 1 1	1 1 0 0 1 0 0 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
21 22 23 24 25 26 27 28 29	020000000	1 1 0 0 0 0 0 0 0 0 0 0	1 0 0 0 0 0 0 0 0 0 0 0	1 1 0 0 0 0 0 0 0 0 0 0 0 0	1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 0 0 0 0 0 0 0 0	1 2 0 0 0 0 0	0 0 0 0 0 0 0 0	1 0 0 0 0 0 0 0 0 0	1 0 0 2 0 0 0 0 0 0	1 1 0 0 2 0 0 1 0 0	1 0 1 2 0 0	2 1 0 •••• 3 0 0 1 0	2 1 0 1 3 1 1 1 0 0 0	3 1 0 1 2 1 1 0 0	2 1 0 2 2 1 0 0 0 0	1 1 1 0 0 0 0	2 1 0 0 1 1 0 0 0 0 0	2 1 0 0 1 1 0 0 0	200000000	200000000	000000000	2000000000	1 0 0 0 0 0 0 0 0
31 MEAN	0	0	0	0	0	0	0	0	0	1	1	1	0	1	1	1	1	1	1	1	0	0	1	0	0.6

PERCENTAGE OF DATA VALID - 99.1 PERCENTAGE OF DATA INVALID - 0.9

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. *-* INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNITS - D.OI PARTS/MILLION

	200													Oit 1 2	0.	OI PA	RTS/M	ILLIO	N						
	51	ATION	. MC	NO.	22071		EXPER	MENTA	L FA	RM SI	MCOE					MON	тн - п	NOV	77						
DAY	1	2	3	4	5	6	7	В	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 ME	ΔN
1 2 3 4 5 6 7 8 9	000000000	0000000000004	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	000000000000000000000000000000000000000	0000000000404	000000000000000000000000000000000000000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 2 .	000000000000000000000000000000000000000	0 0 1 3 1	00000102	0 0 0 0 0 1 0 2	0 0 0 0 0 1 0 2	00000102	00000000	00000000	00000000	000000000	00000000	0 0 0 0 0 3 1 3	00000313	0 0 0 0 0 0	0 0 0 0 0 1 1
11 12 13	0 1 0	0	1 1 0	1 1 0	!	1	1	1	2	2 2	2 2	2 2	1 0	0 1 0	0	1 2 1	2	2	. 2	1 2	2	2	2	2	1 2
14 15 16 17	0 1 0 0	0	0 2 0	0 2 0	0 2 0	2 0	200	2 0	1 2 0	1 2 0 0	1 2 0	2 0 3 0	0 0 0	0 0	0	0 0	0 0	0	000	0 0	1 0 0	0 0	1 0 0	2	1 0 1
18 19 20	0	0 1 0	0	0	0	0 0 1 0	0	0	0 0	0	0000	0 0 0	0	0 1 2 0	0 1 2 0	0 1 2 0	2	1 1 0	1	0 1 1 0	0 1 0 0	0 1 0 0	0 1 0	0 1 0 0	0 0 1
21 22 23 24 25 26 27	3	3	3	3	2	0	2	2	1	1	0	- DAT	A UNA A UNA	VAILA VAILA VAILA	BLE .	2	2	2	2	2	2	3	3	3	1
28 29 30	1	3 1	2 1	2 1	2	1	1	1 2	i	1 *	•••	. DAT	A UNA	VAILA 1 1	BLE -	1	1	1	1 0	1 0	1 0	1	1	1 ***	•••
MEAN	1	1	1	1	1	1	1	1	1	1	1	•	0	0	1	1	1	1	1	1	0	0	1	1	0.7

PERCENTAGE OF DATA VALID - 78.9 PERCENTAGE OF DATA INVALID - 1.7

PERCENTAGE OF DATA UNAVAILABLE - 19.4

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. *- INDICATES DATA IS UNAVAILABLE
- 3. ******* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	P	OLLUT.	ANT -	SULPH	HUR DI	OXID	E							****	_										
		TATIO			22071			TMEN		ARM S				UNIT	s · o.	.01 PA	RTS/	MILLIC	N						
HOUR	1	2			5				AL P	AKM 5	MCOE					MON	TH -	DEC	77						
DAY			3	•	,	6	7	8	9	10	1.1	12	10	3 14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	٥	0		1															-	mc Air
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7 8 9												-	DATE	INVA	LID -						-			u	U
9	2		CH									- D	ATA	INAVAI	110 -										
10	2	- 1	2		191	•	*	7.	10-0		-		****	ILAVALI	TABLE	•									
			2	3.	1	1	2	1	1	0	0	0	0		1	1	0	1	1	1	2	2	2	2	*****
11	0	0	0		-						-	-			0	0	0	0	0	0	0	ō	ō	ō	
12	- 1	ĭ	Ÿ	0	0	1	. 1	1	1	2	2	2	1	1	7.00		120	80					-		
13	2	2	2	2	1	2	5	5	4	4	2		****		,	1	2	2	2	2	2	2	2	2	1
14	2	2	2	3	2	2	2	2	2	3	3	3	2	2	2	2	2	2	2	2	2	2	3	3	2
15	0	ō	ō	ő	ő	1	1	0	0	0	0	0	ō			2	2	2	2	2	2	2	3	3	2
16	1	ő	ŏ	ŏ	ŏ	0	0	0	0	0	0	0	õ		- 1	ò	0	0	0	0	0	0	0	o	- 7
17	2	2	2	2	2	1	1			0	1	1	ž	,	,	2	3	0	0	0	1	2	2	0	ó
18	1	1	- 7	- 7	- 7	2	1			1	2	1	1	- 1	- 1	- 1		- 3	1	1	1	1	1	2	1
19	0	0	ò	ò	ò	ő	2	- 1	1	1	1	1	1	,	9	- 1	i	1	1	1	1	1	1	1	1
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21	0	0	0	0	0	ì			12							•		U	O	0	0	1	1	0	0
22	0	0	1	0	ō	,	,	a de	0	0	0	0	0	0	0	0	0	0	0	•	-				
23	2	2	2	3	3	3	à	-	3	1	1	1	0	****	1	1	1	ĭ	٠	0	0	0	0	0	0
24	2	2	2	1	1	1	ĭ	•	3	2	2	2	2	2	2	2	1	- ;	- 1	1	1	1	1	2	1
25	1	1	1	1	1	9	- 1	- 5	1		2	3	3	3	3	2	2	9	,	2	1	1	1	2	2
26		1	1	1	1	1	- i			- 2	- 1		- 1	1	1	1	ī	1	1	-	2	1	1	1	2
27 28	1	1	1	1	1	1	1	•		ò	0	1	0	1	1	1	1	- 1	4			1	1	- 1	1
29	0	0	0	1	1	1	0	ò	- 1	Ÿ	0	0	0	0	0	1	1	1	- 1			1		1	1
30	2	2	2	2		1	1	2	•	2	٠	0	0	1	1	1	1	1	1				- 2	1	
30	3	1	-1	1	1	1	1	ī	7	5	٥	2	1		1	1	1	1	1		4		- 1	2	
31	1	1/41								•	4	2	2	2	2	2	2	2	2	ż	2	-	,	9	
	1	1	1	1	1	1	1	1	1	1	1	1	-						_		-	4	2	2	2
MEAN	1	1	1	1		1			50	•	7.5	-10		1	2	2	2	2	2	1	1	1	1	1	1
			**	3.00		,	1		1	1	1	1	1	1	1	1	1	1	1	í	1	1			
PERCENT	AGE O	F DAT	A VA	ın	27 2												*			-		5		77,813	0.9
							PE	RCEN	TAGE	OF DA	TA IN	VALID	- 1	7.8		PERC	ENTAG	GE OF	DATA				_		
NOTES 1			INDICA	ATES I	INVALI	D DA	TA DUE									-			JA . A	UNAVA	LABI		5.0		

- 2. -- INDICATES DATA IS UNAVAILABLE
- 3. ----- INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1977

MONTHLY SUMMARY	OF HOURLY AND 2-HOUR	Y DATA FOR 1977		
POLLUTANT - SUL	PHUR DIOXIDE		UNITS - 0,01 PARTS/MILLI	ON
STATION - WC N	O 22071 EXPERIMENT	TAL FARM SIMCOE		
MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	22	1.8	7	11.
FEB	24	1.3	5	8
MAR	29	1.2	4	5
APR	29	1.1	4	7
MAY	27	1.5	9	15
JUN	18	1.1	2	4.
JUL	19	0.8	2	4
AUG	31	1,2	3	5
SEP	28	0.9	2	7
OCT	31	0.6	2	3
NOV	23	0.7	2	4
DEC	27	0.9	2	5
YEAR	308	1.1	9	15

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1977

POLLUTANT -	SULPHUR D	IOXIDE				UNITS - 0	0.01 PARTS/MILLION
STATION -	WC NO 220	71 EXP	ERIMENTAL	FARM SIMCO	E		
MONTH	00 TO 04	05 TO 10	11 TO 14	15 TO 25	26 TO 39	40 SOVER	TOTAL
JAN	512	46	1.	0	0	0	559
FEB	560	33	0	0	0	0	593
MAR	704	7	0	0	0	0	711
APR	686	13	0	0	0	0	699
MAY	615	25	5	2	0	0	647
JUN	478	0	0	0	0	0	478
JUL	485	0	0	0	0	0	485
AUG	740	1	0	0	0	0	741
SEP	674	1	0	0	0	0	675
oct	737	0	0	0	0	0	737
NOV	568	0	0	0	0	0	568
DEC	647	2	0	0	0	0	649
YEAR	7406	128	6	2	0	0	7542

FREQUENCY	DISTRIBUT	ION BY P	ERCENTILES									
	PERCENT				1	CONCEN	TRATIONS					
	OF DATA				FREQUENCY	DISTR	BUTION.	PERCENT				ARITH
	VALID	WIN	10	30	50	70	90	95	98	99	MAX	MEAN
	86.1	0	0.0	0.0	0.4	0.9	2.0	2.9	3.9	4.9	15	1.1

UNITS - 0.01 PARTS/MILLION

	51	TATION	- wc	NO	26029);	TRAIL	ER E	DNA/F	REDERIC	K ST	KITC	HENER	?		MONT	н - а	AN	77						
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 N	EAN
1 2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	i	1	-1	1	1	1	1	7	1	1	,
3	2	1	1	2	1	1	- 1	1	1		1	1	2	2	2	2	3	3	3	2	ي خ	2	2	2	
3	1	2	2 2	2 2 2	1	1	1	1	1	1	1	.1	3	4	5	5	3	3	2	2	2	1	1	1	2 2
5	1	2	2	2	3	2	2	1	1	****				-				-	-		-				
6														VAILA											
7														VALLA											
8														VALLA											
9												- DAT	A UNA	VALLA	BLE -										
10												- DAT	A UNA	VALLA	BLE -										
10												- DAT	A UNA	VALLA	BLE -										
1.1																									
12														NVALI											
13														NVALI											
14								wo		7.0				NVALI	D -										
15	2		,		****	****	****	••••		6	6	5	5	6	4	4	4	4	3	4	4	3	3	2 .	
16	ó	ó	2	2	1	1	1	1	1	- 1	1	1	1	0	0	1	1	1	1	0	0	0	0	0	1
17	0	Ö	o	o	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	1	ő	0	0	0	0	0	0	0	1	1	1	1		1	0	0	0	0	0	0	1	1	1	0
19	2	2		0		0	1	1.	1	1	2	1	1	1	1	1	2	2	1	1	1	1	3	3	í.
20	1	- 1	- 1	- 1	1	1	2	4	3	2	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1
		3.				3.	1	1	,	1	1	1	1	1	1	2	3	3	2	2	3	4	3	2	2
21	2	3	3	3	3	3	2	2	1	4	0						9								
22	0	1	1	- 7	1	,	÷	- 1	2	4	2	2	2	0	0	0	0	0	0	0	0	0	0	0	1
23	0	0	- 1	3	3	2	4	- 2	1	1	ő	1	1	2	1	2	1	2	1	1	0	0	0	0	1
24	4	4	4	3	3	2	3	4	3	3	2	2	3	3	2	1	1	2	3	4	3	3	4	4	2
25	3	3	3	3	3	3	3	4	3	2	2	2	3	0	3	3	3	3	3	3	3	2	2	3	3
26	0	0	0	0	0	ō	o	o	ő	ô	ő	ő	ó	0	0	0	0	0	0	0	0	0	0	0	1
27	0	0	0	0	0	o	o	o	o	0	o	0	0	ő				0	0	0	0	0	0	0	0
28	1	1	0	0	Õ	ĭ	1	2	2		3	•	1	1	0	0	1	0	0	0	0	0	0	0	0
29	1	2	1	1	1	2	1	- 7	1		1		4	2	1		2	0	0	1	1	1	1	1	1
30	1	2	2	2	2	2	2	2			1		- 1		1	- 1	2	0	1.	1	1	1	1	1	1
			-	_	-	-		-	,			*	,	1	1	- 1	1	0	0	1	1	1	1	0	1
31	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	-			- 2	- 2	
												.4	,						1	1	1	1	1	1	1
MEAN	1	1	7.	1	1.	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1.2

PERCENTAGE OF DATA VALID - 67.6 PERCENTAGE OF DATA INVALID - 9.5

PERCENTAGE OF DATA UNAVAILABLE - 22.8

NOTES 1. ****** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POL	LUTANT	- 5	SULPHI	UR DIO	XIDE							U	INITS	- 0.0	01 PAF	RTS/M	LLIO	N						
	STA	TION -	WC	NO :	26029	1	RAILER	EDN	A/FR	EDERIC	K ST	KIT	CHENER				TH - 1		77						
DAY	1	2	3	4	5	6	7	В	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 N	MEAN
1 2 3 4 5 6 7 8 9	1 0 2 1 0 0 0 2 4 2	1 0 2 1 2 0 0 4 4 2	1 0 3 1 2 0 0 4 4 2	0 0 3 1 3 0 0 3 3 2	1 0 3 1 5 0 0 2 3 2	0 0 3 1 1 0 0 2 3 2	000311000232	0 1 3 1 1 1 1 3 3 3 2	0 2 3 1 2 1 1 3 4 2	0 2 3 1 1 1 1 1 1 3 4 3	0 2 3 1 1 0 1 2 4 3	0 1 2 1 0 0 1 2 4	1 1 1 0 0 1 2 5	0 1 1 1 0 1 3 4 1	0 0 1 1 0 0 6 5	0 1 0 0 4 5 1	0 1 0 1 1 0 1 1 5	0 3 0 1 0 0 1 1 4 2	0 3 0 0 0 0 1 1 4	0 0 0 1 1 4 2	1 2 0 0 0 0 1 2 5 2	0 2 0 0 0 0 1 2 5 3	0 2 0 0 0 1 2 4 3	0 2 0 0 0 3 2 3 3	0 1 1 1 1 0 1 2 4
11 12 13 14 15 16 17 18 19 20	2 4 0 1 0 0 2 3 1	2 2 2 0 1 0 1 2 3 1	2 0 0 1 1 2 3 1	2 1 0 0 1 3 3 2 1	2 1 1 0 0 0 3 3 1	2 1 1 0 0 0 3 3 0 2	2 1 1 0 0 2 3 0	2 1 1 1 1 0 2 3 0	2 1 1 2 4 0 1	2 2 0 1 1 1 1 1	2 0 1 2 0 1 5 0 2	2 2 0 0 2 0 1 5 0 4	2 1 0 1 0 4 0 3	1 3 1 0 1 0 0 4 0 2	1 3 1 1 0 0 1 5 0	1 3 1 0 0 0 1 5	1 2 1 0 0 0 2 4 0 0	1 2 0 0 0 0 0 2 4 1 1	1 2 0 0 0 0 1 3 1 0	1 2 0 0 0 0 1 3 1 0	1 2 0 1 0 0 2 2 3 1	1 2 0 1 0 1 2 2 2 1	1 3 0 1 1 0 2 2 1 3	2 5 0 1 0 0 2 2 1 6	2 2 1 0 1 0 2 3 1 2
21 22 23 24 25 26 27 28	5 1 1 1 1 1 4 1 2	5 2 2 1 1 1 2 1	5 2 2 1 1 1 2 0	4 2 1 1 1 1 3 0	3 2 1 1 1 1 2 1	2 3 2 1 1 1 1 1 1 1	2 3 2 2 1 1 1	2 3 1 2 1 1 1 1 2	3 1 4 1 1 2 2	1 2 1 2 1	1 2 1 2 1	2 3 1 2 1 1 2 1	1 3 1 3 1 1 2	1 3 3 3 1 1 2	1 3 5 3 2 1 2	1 2 5 3 2 1 1	1 2 2 2 2 1 1	1 2 1 1 1 1	1 2 1 1 1 1 1	1 2 1 1 1 1 1 1 1	2 3 1 1 1 1 1 1 1 1 1	2 2 3 1 1 1 1 1 1	1 2 2 1 1 1 1 2	1 1 1 1 2 1 1	2 2 2 1 1 2 1
IN E MIN	2	2	2	2	1	1	1	1	2	2	2	1	1	1	2	1	1	1	1	1	1	.1	1	1	1.4

PERCENTAGE OF DATA VALID - 99.4

PERCENTAGE OF DATA INVALID - 0.6

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE 2. *- INDICATES DATA IS UNAVAILABLE
 - 3. ******* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNITS + 0.01 PARTS/MILLION

	PULL	UTAN	- 3	ULFRU	IN DIO	A I Was							1.50		1000										
	STAT	ION -	WC	NO 2	6029	т	RAILER	EDN	A/FRE	DERIC	K ST	KITO	HENER			MONT	н - м	MAR	77						
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 ME	ΔN
1 2 3 4 5 6 7 8 9	1 1 1 1 1 2 1	1 1 3 1 1 1 1 1 2	2 1 3 1 1 1 1 1 2 1	1 1 2 1 1 1 2 2	1 2 3 1 1 1 1 1 1 2 1	1 2 4 1 1 1 2 1 1 1 1	2 5 1 1 1 2 1	1 2 3 1 1 1 1 2 1 2	1 2 4 1 1 1 1 1 1 2	0 2 4 2 1 1 1 1 1 2	0 2 3 2 1 1 1 1 1 2	0 1 2 2 1 1 1 1 1 1 2	0 1 1 2 1 1 1 1 1 2 2	0 1 2 1 1 1 0 1 1 2	0 1 3 1 1 0 1 1 2	0 2 3 1 1 1 0 1 1 2	0 2 3 1 1 1 0 1 1 2	1 3 3 1 1 1 0 1 1 2	1 2 3 1 1 1 0 1 1 2	1 2 3 1 1 1 0 1 0 2	1 2 2 1 1 1 1 1 1 1 3	2 2 1 1 1 1 1 1 3	1 2 2 1 1 2 1 2	1 1 1 2 1 1 1	1 2 3 1 1 1 1 1 1 2
11 12 13 14 15 16 17 18 19 20	1 2 0 2 2 1 0 0 1 1	1 2 0 2 3 0 0 0 1 2	1 3 0 1 1 0 0 1 1	1 4 0 1 1 0 0 1 1	1 2 0 1 1 0 0 1 1 1 1	1 2 0 1 1 0 0 0 1 2	1 2 0 1 1 0 0 0 1 2	2 2 0 1 2 0 0 0 2 2	2 2 1 1 2 0 0 1 1 2	3 2 1 1 0 0 1	3 2 1 1 1 0 0 0 0 1	2 1 1 1 0 0 0	2 1 1 1 0 0 0	2 2 1 0 1 0 0 0 1 2	2 1 0 1 0 0 0 1 1	2 1 0 1 0 0 0 1 1	3 1 1 0 2 0 0 0	2 1 1 0 1 0 0 0 1 1 1	2 1 1 0 1 0 0 0 1 0 0	2 1 0 0 0 0 1 0	2 1 1 1 1 0 0 0 1 0	2 1 1 2 2 0 1 0 0 1	2 0 1 1 1 0 0 0 1	2 0 1 2 1 0 0 1 1 1 1	2 1 1 1 0 0 0 1 1
21 22 23 24 25 26 27 28 29 30	1 0 0 0 1 1 1 2 1 1 1 1	1 0 0 0 2 1 2 2 1 1	1 0 0 0 2 1 2 3 2	1 0 0 0 2 1 3 2 1 0	1 0 0 0 1 1 3 2	1 0 0 0 2 1 3 1	1 0 0 0 1 1 2 2 1 1	3 0 1 0 1 1 2 2 0 2	3 0 1 1 1 1 1 1 1 2	0 1 0 1 0 1 1 1 1 1	2 0 1 0 1 0 1 1 1 1	1 0 1 0 1 1 1 0 0	1 0 1 0 1 1 0 0	1 0 1 1 1 1 0 0	1 0 1 1 1 1 0 0	1 0 2 0 1 1 2 1 0 0	1 0 1 1 2 1 0 0	1 0 1 1 1 1 0 0	0 0 0 0 1 2 2 1 0 0	0 1 0 0 1 2 1 1 0 0	0 1 0 0 1 2 1 1 0 0	0 1 0 0 1 2 1 1 0 0	0 1 0 0 1 1 1 0 0 0	0 0 0 2 1 1 1 0 0	1 0 1 1 2 1 1 0
31 MEAN	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	1	1	1	0	0	0	1	1	1	1.0

PERCENTAGE OF DATA VALID - 99.5 PERCENTAGE OF DATA INVALID - 0.5

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POL	LUTANT	- S	ULPHU	R DIO	IDE							L	NITS	- 0.0	D1 PAF	RTS/MI	LLION	4						
	STA	TION -	WC	NO 2	6029	1	TRAILE	R ED	NA/FR	EDERI	CK ST	KIT	CHENER	ŧ		MONT	гн - д	PR	77						
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 ME	ΔN
1 2 3 4 5 6 7 8 9	0 1 0 0 0 0 0 0 1 3	0 1 0 0 0 0 0 1 3	0 3 1 0 0 0 0 0 0 1 3	0 4 1 0 0 0 0 0 0 2 2	0 4 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 3 0 0 0 1 0 2	0 0 0 0 0 0 2 2	1 2 0 0 1 0 2 2	1 2 0 0 0 0 0 0 0 2 2	0	0 1 0 0 0	1 0 0 0 0 0 0 0 1	0 1 0 0 0 1	0 0 0 0 0 0 1	0 1 0 2 0 0 0 0 0 1	0 1 0 3 0 0 0 0 0 1	1 1 0 2 0 0 0 0 1	0 0 0 0 0 0 1	1 0 0 0 0 1 0 0 3	1 0 0 0 0 0 0 0 0 0 3	2000000013	1 1 0 0 0 0 0 0 0 1 2	1 0 0 0 0 0 0 1 2	0 0 0 0 0 1 2	1 2 0 0 0 0 0 0 1 2
11 12 13 14 15 16 17 18 19 20	2 0 1 1 1 0 0 1	2 0 1 1 1 1 0 1 0 2	1 0 1 1 1 0 1 0 1	1 0 1 1 1 0 1 0 2	1 0 1 1 2 1 0 0 0 1	1 0 1 1 2 1 0 0 0 1	1 1 2 1 2 1 0 0	1 1 2 1 3 0 0 0 2 1	1 1 2 1 1 1 1 2 2	1 1 2 2 3 1 1 1 2 1	1 0 2 2 3 1 0 1 4 1	1 0 2 2 3 0 0 0 2 2	0 0 1 2 3 0 0 1 2 1	1 2	0 0 0 0 0 1 1	0 1 2 0 0 0 2 1	0 0 1 2 1 0 0 0 1 1	0 0 1 2 1 0 0 0 1 1	0 1 1 2 1 0 1 1 1	0 0 1 2 0 0 1 2	0 0 1 2 0 0 1 2	0 0 1 1 0 0 2 0 1 1	0 1 1 2 0 0 1 0 1 1	0 1 1 2 0 0 1 0 2	1 0 1 2 1 0 0 0 1 1 1
21 22 23 24 25 26 27 28 29 30	0 0 0 0 1 0 0 0 1	0 0 0 0 1 0 0 0 1	0 0 0 0 1 1 0 0 1	0 0 0 0 0 1 0 0 1	0 0 0 0 1 1 0 0 0 0	1 0 0 0 0 1 1 0 0	1 0 0 0 0 1 1 0 0	2 0 0 0 0 1 1 2 0 1	2 0 0 0 0 1 1 1 0 1	1 0 0 0 1 2 0 0	1 1 0 0 0 0 0 0 0	2 1 0 0 0 0 0 1 0	2 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 0 0 0 0 0 1 0 0	0 0 0 0 0 1 0 0	0 0 0 0 0 0 1 0 0	0 0 0 0 0 1 0 0	0 0 0 0 0 1 0 0	000000000	0 0 0 0 0 0 0 0 1 0	000000000000000000000000000000000000000	100000000000000000000000000000000000000
MEAN	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	1	0	0	0	0	0	0.6

PERCENTAGE OF DATA VALID - 98.3 PERCENTAGE OF DATA INVALID - 1.7 PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. "-" INDICATES DATA IS UNAVAILABLE
 - 3. ****** INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNITS - 0.01 PARTS/MILLION

	STAT	ION	- wc	NO	26029	1	RAILER	EDN	A/FRE	DERI	CK ST	KIT	CHENER			MON	TH - M	YAN	77						
HOUR DAY	ť	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 N	EAN
1 2 3 4 5 6 7 8 9	0 0 0 1 2 0 0 0 0	0 1 0 1 2 0 0 0 0 0	0 0 0 1 2 0 0 0	0 0 0 1 0 0 0 0 0	0 0 0 0	0 0 0 1 0 0 0 0 0	1 0 0 0 0 0 0 1	1 0 0 5 1 0 0 0 0 2	1 0 1 2 0 0 0 0 0 1	1 0 1 1 0 0 0 0 1	1 1 1 0 0 0	1 0 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2004100000	2005100001	1 0 0 4 1 0 0 0 0	1 0 0 2 1 0 0 0 0	1 0 0 1 1 0 0 0 0	000000000	0 0 0 0 0 0 0 0	0 1 1 0 0 0 0 0 0 0	1 0 0 0 0 0 0 0	1 0 1 1 0 0 0 0 0 0	1 0 0 0 0 0 0 0 0	1 0 0 1 0 0 1 0	1 0 0 2 1 0 0 0 0 0
11 12 13 14 15 16 17 18 19 20	0 1 0 0 0 0 1 0 0 0	0 1 0 0 0 0 0	0 2 0 0 0 1 0 0 0	010000000000000000000000000000000000000	0 1 0 0 0 0	0 1 0 0 0 1 1 0 0 0	0 1 1 1 1 2 1 0 0 1	1 1 1 1 2 2 0 0 1	1 1 0 0 0 2 1 0 1 0	0 0 1 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0	1 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 1	0 0 1 0 0 0 1	0 0 0 0 0 0 0 0 0 0	000000000	1 0 0 0 0 0 0 0 0 0 0	1 0 1 0 0 0 0 0 0	000000000000000000000000000000000000000	0 0 0 0 0 0 0 0 0 0	0 0 0 1 1 0 0 1	1 0 0 0 1	0 0 0 0 0 0 0 0
21 22 23 24 25 26 27 28 29 30	1 0 0 0 0 0 1 0 0	1 0 0 0 0 0 1 0 0	1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	000000000000000000000000000000000000000	0 0 0 0 0 1 0	0 0 0 0 0 0 0	1 1 0 1 1 0 0 0	2 1 1 0 1 3 2 0	1 2 1 1 1 2 1 0 0	2 2 1 1 0 0 0 1 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2 1 0 1 0 0 0 1 0 0	2 1 0 0 0 0 0	1 0 1 0 0 0 0	1 0 0 0 1 0 0 0 1	1 0 0 0 1 0 0 0 1	1 0 0 0 1 0 0 0	000000000000000000000000000000000000000	0 0 0 0 0 1 0 0 1	0 0 0 1 0 0 1	000001001	1 0 0 0 1 1 0 0 1	1 0 0 0 0 1 0 0 1	1 0 0 0 0 0 1 0 0 1	1 1 0 0 0 0 1 0
31 MEAN	2 0	1	1	0		1	2 1	2 1	1	2	0	0	1 0	0	1	0	1 D	0	1	0	1 0	1 0	1 D	0	1 0.4

PERCENTAGE OF DATA VALID - 99.2 PERCENTAGE OF DATA INVALID - 0.5

PERCENTAGE OF DATA UNAVAILABLE - 0.3

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEJS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POL	LUTAN	r - s	ULPHU	JR D10	XIDE							ι	NITS	- 0.0	01 PAI	RTS/M	1111	N						
	STA	TION	- wc	NO 2	26029	1	TRAILER	ED	NA/FRE	EDERIC	K ST	KITO	HENER	ł		MON	гн - ,	JUN	77						
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 M	EAN
1 2 3 4 5 6 7 8 9	0 0 0 0 1	0 0 0 0 1 0 0 0 1	0 0 0 0 1 0 0 1	0 0 0 0 0 1 0 0	0 0 0 0 0 0 0	0 0 1 1 0 0 0 0 1	0 0 1 0 0 0 0 1	0 0 1 1 0 0 0 0 1	0.0000000	1 1 0 1 0 0 0 0 0 0	0 1 0 0 0 0 0 0 0 0	0 1 0 1 0 0 1 0	0 1 0 1 1 0 0 0	0 0 0 0 1 1 0 0 0	0 1 0 0 0 1 1 0 0 0	0 1 0 0 0 0 0 0 0	0 1 0 0 0 0 0 1 0	0 1 0 0 0 0 0 0 0	0 1 0 0 0 0 0 0 0 0 0	0 1 0 0 0 0 0 0 0	00000000	0 0 0 0 0 0 0	0 0 0 1 1 0 0 1 1	0 0 0 1 1 0 0 1 1	000000000
11 12 13 14 15 16 17 18 19	0 0 0 0 1 0 0	0 0 0 0 1 1 0 0 0	0 0 0 0 1 1 0 0 0	1 0 0 1 1 0 0 0	0 0 0 1 1 0 0 0	0 0 0 0 0 0 0 0	1 0 0 1 1 2 0 0 0 0	10112000	1 0 0 0 0 0 0 0 0	0 0 0 0 0 0	000-00000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 1 0 0 0 1 0 0	000000000	000000000	0 0 0 0 0 0 0 0 0	0000000000	0 0 0 0 0 0 0	0000010000	0 0 0 0 1 1 0 0 0 0	0 0 1 0 0 0 0 0	0 0 2 0 1 1 0 0 0 0	0 0 1 0 0 0 0	0 0 0 1 0 0 0 0	0 0 0 0 0 0 0 0
21 22 23 24 25 26 27 28 29	0 0 0 0 0 0 1 1	000000011	0 0 0 0 0 0 0 1	0 0 0 0 0 0 1	0 0 0 0 0 0 1	0 0 1 1 0 0 1 1	0 0 1 1 1 1	0021000112	0 0 2 1 0 0 0 1 1 1	1 0 1 2 0 0 0 1 1 1 1	0 0 1 2 0 0 0 1 1 1 1	0 0 1 1 0 0 0 1 1	0 0 0 0 0 2 1	0 0 0 0 0 2 1 1	0 0 2 1 0 0 0 2 1 1	0 0 2 1 1	0 0 2 1 0 0 0 1 1 1	0020000211	0 0 0 0 0 2 1 1	0 0 0 0 0 1 0 1	0 0 0 0 0 1 0 1	0 0 0 0 1 1 1	002000111	0 0 2 0 0 0 1 1	0 0 1 1 0 0 0 1 1 1 1
MEAN	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.3

PERCENTAGE OF DATA VALID - 99.3 PERCENTAGE OF DATA INVALID - 0.3

PERCENTAGE OF DATA UNAVAILABLE - 0.4

- "-" INDICATES DATA IS UNAVAILABLE
- 3. ******* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - SULPHUR DIOXIDE UNITS - 0.01 PARTS/MILLION

	PULI	UIANI	- 3	ULPHU	R DIO	AIDE							·	WIID	0.0	PAT	(13/m.	LLLION	•						
	STAT	TION -	WC	NO 2	6029	T	RAILER	EDI	NA/FR	EDERI	CK ST	KITO	HENER			MONT	гн - ,	JUL	77						
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 M	EAN
1 2 3 4 5 6 7 8 9	1 0 1 0 0 0 0 0	1 0 1 0 1 0 0 0 0 0 0	1 0 1 0 0 0 0 0 0	1 0 1 0 0 0 0 0 0	1 0 1 1 0 0 0 0 0 0	1 0 1 1 0 0 0 0 0	1 0 1 1 1 0 0 0 0 0 0 0	1 1 2 1 0 0 0 0	1 1 2 1 0 0 0 0 0	1 1 2 1 0 0 0	1 1 2 1 0 0 0	1 1 2 1 0 0 0	1 0 1 2 0 0 0 0 0	1 0 1 2 0 0 0 0 0	101200000	1 0 1 2 0 0 0 0 0	1 0 1 2 0 0 0 0 0 0 0	1 0 1 2 0 0 0 0 0	1 1 2 0 0 0 0 0	1 1 0 0 0 0 0 0	1 1 0 0 0 0 0 0 0 0	1 1 0 0 0 0 0 0 0 0	1 1 0 0 0 0 0 0 0	1 1 1 0 0 0 0 0 0 0 0	1 1 1 0 0 0 0 0
11 12 13 14 15 16 17 18 19	0000100000	0000100000	0 0 0 0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0 0 0	0000000000	0 1 0 1 2 0 0 0 0 0 0	0 0 0 1 1 0 0 0 0 0	0 1 0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 0 0 0 0 0 0 0 0	0000000	000000000000000000000000000000000000000	0000000	000000000000000000000000000000000000000	1 0 0 0 0 0 0 0 0	200000000000000000000000000000000000000	2000000000	1000000000	000000010	0 0 0 0 0 0 1 0	0 0 0 0 0 0 1 0	0 0 0 0 0 0 0 0 0	000000000000000000000000000000000000000
21 22 23 24 25 26 27 28 29 30	0 0 0 0 0 0 1 0	000000010	0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0	000000000	0 0 0 0 0 0 1 0	0 0 0 0 0 1 1 1 0	0 0 0 0 1 1 1 0	0 0 0 1 0 0 1 2 1 0	0 0 1 2 0 1 1	0 0 0 1 0 0 0 1 0	0 0 0 1 0 0 1 0	0 0 0 1 0 0 1 0	0 0 0 1 0 0 1 1 0 0	0 0 0 0 1 0 0 2 1 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 1 0 0 1 0 0	0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0	1 1 0 0 1 1 0 0	0 1 0 0 1 1 0 0	0 0 0 0 0 1 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 1 0 0 0 1 0 0	0 0 0 0 0 1 1 0
31 MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.3

PERCENTAGE OF DATA VALID - 99.2 PERCENTAGE OF DATA INVALID - 0.8 PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. "**** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. *-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

	STA	TION -	WC	NO 2	6029	T	RAILER	EDN	A/FRE	DERIC	K ST	KITCH	HENER			MONT	тн - д	uG	77						
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 MEA	N.
1 2 3 4 5 6 7 8 9	0	0	0 0	0	0	0	0	0	0	0	0	O - DATA - DATA - DATA - DATA - DATA - DATA	A UNA A UNA A UNA A UNA A UNA	VAILA VAILA VAILA VAILA VAILA	BLE BLE BLE BLE BLE BLE		0	0	0	0	0	0	0	0	•••
11 12 13 14 15 16 17 18 19												- DAT DAT.	A UNA A UNA A UNA A UNA A UNA A UNA A UNA A UNA	VAILA VAILA VAILA VAILA VAILA VAILA	BLE BLE BLE BLE BLE BLE BLE										
21 22 23 24 25 26 27 28 29 30	0 0 2 0 0 0	0000	0 0 1 0 1 0	0 0 1 0 1 0	0 0 1 0 1 0	1 0 1 0 1 0	1 1 1 0 1 0	1 2 1 0 0	1 2 1 0 0	0 1 1 0 0 0	0 0 0 0 0	- DAT - DAT - DAT 0 0 1 0 0	A UNA	VALLA	BLE	-	0 0 1 0 0 0 0	0 0 1 0 0 0 0	0 0 1 0 0 0	0 0 2 0 0 0 0	0 0 2 0 0 0	0 0 2 0 0 1	0 0 1 0 1 1	0 **** 0 2 0 0 0 1	0 1 1 0 0
31	1	1	0	0	0	D	1	1	1	1	1	1	1	0	0	0	1	1	0	0	0	0	1	1	1
MEAN	0	0	0	0	0	D	1	1	1	0	0	0	0	0	0	0	0	0	0	٥	0	0	0	0	0.3

PERCENTAGE OF DATA VALID - 29.2 PERCENTAGE OF DATA INVALID - 0.1

PERCENTAGE OF DATA UNAVAILABLE - 70.7

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LE-S THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNITS - 0.01 PARTS/MILLION

	STA	TION	WC	NO	26029		TRAILER	EDN	A/FR	EDER1C	K ST	KITC	HENER			MONT	н - 9	EP	77						
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 ME	AN
1 2 3 4 5	0	0	0	0	0	0	0	0	1 0 1	0	0	DATA	A UNA	O O - VAILA VAILA	BLE		0	0	0	0	0	0	0	0	
7 8 9	0	0 1 0	0	0	0	0	1	1 0	1 2 0	1	1 1 0	1 1 0	1 1 0	1 1 0	1 1 0	1 1 0	1 1 0	1 0 0	0	1 0 0	0 1 0 0	0 1 0	1 0 0	0 ··· 0 0	1 1 0
11 12 13 14 15 16 17 18 19	0000	0 0 0 0 1 0 0 1 0	0000000	000000000	000000000	00000000	0 0 0 0 0 0 0 0	0 1 0 0 1 1 0 0 1 1	0 1 1 1 1 0 0 1 1 1	1 1 0 0 0 1	0 2 1 1 0 0 1 1	0 1 1 1 2 1 0 0 1 0	0 0 1 1 2 0 0 0 1 1	0 0 1 1 2 1 0 0 1 0	0011210000	0 1 1 1 1 2 0 0	001000010	0 0 0 0 0 1 1	001000000	0 0 3 0 0 1 0 1	0 0 3 0 0 1 0 0	0 0 2 0 0 1 0 1 1 0	00100100	0 1 0 1 0 0 0	0 0 1 0 0 0 0 0
21 22 23 24 25 26 27 28 29	0011010000	0 0 0 0 1 0 0 0 0	0000010000	0 0 1 0 0 0 0	000000000000000000000000000000000000000	000000000000000000000000000000000000000	00000000	0 1 1 0 0 0 0 0 0 3	000000000000000000000000000000000000000	00000	0 0 0 0 1	000000000000000000000000000000000000000	0 1 0 0 0 0 0 1	0 1 0 0 0 0 1	1 0 1 0 0 0 0 0 0 1	1030000001	1 0 4 0 0 0 0 0 0	0 0 1 0 0 0 0 1	1 1 0 0 0 0 0 0 0	5 1 0 0 0 0	0 2 3 0 0 0 0 0 0	300000	0240000000	0 1 0 0 0 0 0 0	0 1 1 0 0 0 0 0 1
MEAN	0	0	0	0	0	0	0	1	1	0	1	1	1	0	0	1	0	0	0	1	0	0	0	0	0.4

PERCENTAGE OF DATA VALID - 86.4 PERCENTAGE OF DATA INVALID - 0.6 PERCENTAGE OF DATA UNAVAILABLE - 13.1

NOTES 1. ****** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POL	LUTANT	٠ \$	ULPH	UR DIO	XIDE							1	UNITS	. 0.0	01 PAR	RTS/MI	LLIO	N						
	STA	TION -	WC	NO	26029		TRAILER	EDN	A/FRE	DERIC	K ST	KIT	CHENE				гн - с		77						
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	. 19	20	21	22	23	24	MEAN
1 2 3 4 5 6 7 8 9 1 0 1 1 2 3 1 3 1 5 1 6 1 7 1 8 1 7 1 8 1 9 2 0	0000000010 10001300031	0 0 0 0 0 0 0 0 1 0 0 0 1 0 0 0 1 0 0 1 1 0 0 1 1 2 1	000000000000000000000000000000000000000	0000001111120000011	0 0 0 0 0 0 0 1 1 1 1 1 0 0 0 0 0 2 1	000000011111211211101111111111111111111	0 0 0 0 0 0 1 1 1 1 1 2 3 1 1 0 0 1 2 1 1 1	0000001111 4125000221	0 0 0 0 0 0 1 1 2 1 5 1 3 4 1 0 0 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	00000011213123200241	000000000000000000000000000000000000000	000000000000000000000000000000000000000	0 2	000001002110000011000001110000011100000111000001110000	000000000000000000000000000000000000000	00000102111	0000110111110002111	000010111100111	000011211112201111	00000112111112100211	0000112111122000212	00000212012 1123000122	00000212002 1124000121	00000112002 1223000111	000010011111210001121
21 22 23 24 25 26 27 28 29 30	1 1 0 0 4 0 1 0 0 0 0	1 1 1 2 0 1 0 0 0 0 1	1 1 2 2 0 1 0 0 0 1	1 1 1 3 1 1 0 0	1 1 1 2 1 1 0 0 0 0 1	1 1 1 2 1 1 1 0 0	1 1 1 2 2 2 1 1 1 0 1	2 1 2 3 3 1 2 0 1 2	2 1 1 3 5 2 1 1 0 1	2 1 1 3 4 2 1 1 0 1 1	2 1 1 3 3 1 0 0 1 1	1 0 1 2 4	10002311	1 8 1 0 0	1 1 0 3 2 1 3 1 0 0 0 2	1 0 0 2 2 1 1 1 0 0	1 0 0 2 2 1 1 1 1 0	1 0 0 2 2 1 1 1 1 0 0 1	1 0 0 2 3 1 1 0 1 0 1	1 0 0 2 3 1 1 0 1	1 0 0 3 2 1 1 0 1 0 1	1 0 0 4 1 2 1 0 1	1 0 0 4 1 2 1 0 1 0	1 0 0 5 1 1 0 1 0	3 1 1 1 0 0 0
MEAN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.9

PERCENTAGE OF DATA VALID - 99.3 PERCENTAGE OF DATA INVALID - 0.7

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- *- INDICATES DATA IS UNAVAILABLE
- 3. ******* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - SULPHUR DIOXIDE UNITS - 0.01 PARTS/MILLION

	100	CQ 1 MIS	. 3	o Er no	n 21.0									1	0.0										
	STAT	TION -	Ţ	RAILER	EDN	A/FRE	DERIC	K ST	KITCH	ENER			MONT	H - N	VO	77									
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 M	EAN
1 2 3 4 5 6 7 8 9	0 0 1 0 0 0 1 0	0 1 1 0 0 0 0 0 1 0	0 1 2 1 0 0 0 0 0	0 1 1 0 0 0 0 1 0	0 1 1 0 0 1 0 0 1 0	0 1 1 0 1 0 0 1 0	0 1 1 0 1 0 0 1 0	1 1 0 0 1 0 0 1 0	1 1 0 1 1 1 0 1 1 1	1 1 0 1 1 0 1 1	1 0 1 1 1 0 1 0	1 1 1 1 1 1 0	0 1 0 1 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0 0 1	1 1 1 0 1 0 1 0 1 1	1 1 1 0 1 1 1 1 1 1 1	1 1 1 0 1 0 1 1 1 1 1	1 1 1 1 1 0 2 1 1	1 1 1 1 1 0 1 1 1 1	1 1 1 0 0 1 1 1 1	1 1 1 0 0 3 1 1	1 1 1 1 0 0 3 1 1	1 1 1 1 0 0 2 1 1	1 1 1 1 0 0 0 2 1 1	1 1 1 0 0 1 1 1 1
11 12 13 14 15 16 17 18 19	1 1 2 1 0 1 0 0 0	1 1 2 1 0 1 0 0 0	1 1 1 2 1 0 1 0 0	1 1 2 2 0 1 0 0 0	1 1 2 1 0 1 0 0 0 0	1 1 2 2 0 0 0 0 0 0	1 1 2 2 0 0 0 0 0 0	1 1 1 2 0 0 0 0 0 0	1 1 1 1 2 0 1 0 0	1 1 2 1 1 1 0 0 0 0	1 1 2 1 1 1 1 0 0	1 1 1 1 1 0 0 0 0	1 1 1 1 1 0 0 0 0 0 0	1 1 1 1 0 0 0 0 0 0 0	1 1 1 1 0 0 0 0 0 0	1 1 1 0 0 0 0 0 0	1 1 1 0 0 0 0	1 1 0 0 0 0 0 0	1 1 1 0 0 0 0 0 0 0	1 1 1 1 0 0 0 0 0 0	1 1 0 0 0 0 0 0	1 1 2 1 0 0 0 0 0	1 1 2 1 0 0 0 0 0 0 0	1 1 2 1 0 0 0 0	1 1 1 1 0 0 0 0 0 0 0
21 22 23 24 25 26 27 28 29 30	0 0 0	0 0 0	0 0	0	0	0	0	0 0 0	0 0	000	0	O O O O O O O O O O O O O O O O O O O	UNA I UNA I UNA I UNA I UNA I	AILA AILA AILA AILA	BLE - BLE - BLE - BLE -	es • : • : • :	0	00.	0	0	0	0	0	0	
MEAN	0	0	1	1	1	1	1	0	1	1	1	1	0	1	1	1	1	1	1	. 1	1	1	1	1	0.6

PERCENTAGE OF DATA VALID - 74.6 PERCENTAGE OF DATA INVALID - 0.4

PERCENTAGE OF DATA UNAVAILABLE - 25.0

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. *- INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

POLLUTANT - SULPHUR DIOXIDE UNITS . O. 01 PARTS/MILLION STATION - WC NO 26029 TRAILER EDNA/FREDERICK ST KITCHENER MONTH - DEC 77 HOUR 9 10 11 12 13 14 15 16 17 .19 20 21 22 23 24 MEAN 3 4 5 6 7 8 9 0 1 0 6 2 0 ò 12 13 14 15 16 17 18 19 20 0 0 0 0 0 2 22 23 24 25 26 27 28 29 30

PERCENTAGE OF DATA VALID - 97.8

PERCENTAGE OF DATA INVALID - 0.8

PERCENTAGE OF DATA UNAVAILABLE - 1.3

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1977

UNITS - 0.01 PARTS/MILLION POLLUTANT - SULPHUR DIOXIDE

STATION . WC	NO 26029	TRAILER EDNA/FREDERICK ST KITCHENER	

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	20	1.2	3	6
FEB	28	1.4	4	6
MAR	31	1.0	3	5
APR	30	0.6	2	4
MAY	31	0.4	2	5
JUN	30	0.3	1	2
JUL	31	0.3	1	3
AUG	8	0.3	1	2
SEP	25	0.4	1	5
ост	31	0.9	3	8
NOV	22	0.6	1	3
DEC	30	0.6	2	6
YEAR	317	0.7	4	8

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

YEAR

MONTHLY GROUP	FREQUENCY	DISTRIBUTI	ON FOR 19	77			
POLLUTANT - SU	LPHUR DIOX	IDE			UNI	TS - 0.0	1 PARTS/MILLION
STATION . WC	NO 26029	TRAILER	EDNA/FRE	DERICK ST	KITCHENER		
MONTH OO	TO 04 05	TO 10 11	TO 14 15	TO 25 26	TO 39 40	BOVER	TOTAL
JAN	496	7	0	0	0	0	503
FEB	649	19	0	0	0	0	668
MAR	739	1	0	0	0	0	740
APR	708	0	0	0	0	0	708
MAY	736	2	0	0	0	0	738
JUN	715	0	0	0	0	0	715
JUL	738	0	0	o	0	0	738
AUG	217	0	0	0	o	0	217
SEP	621	1	0	0	0	0	622
OCT	734	5	0	0	o	0	739
NOV	537	0	0	0	o	0	537
DEC	726	2	0	0	o	0	728

FREQUENCY	DISTRIBUT	ION BY PE	RCENTILES									
	PERCENT					CONCEN	TRATIONS					
	OF DATA				FREQUENC	DISTR	IBUTION.	PERCENT				ARITH
	VALID	MIN	10	30	50	70	90	95	98	99	MAX	MEAN
	07.4		0.0	0.0	0.0	0.5			2 0	2.4		0.7

UNITS - 0.01 PARTS/MILLION

	STA	TION	wc	NO 2	7013	P	s VIC	TORIA	/LEAG	DER NI	AGRA	FLS				MON	тн - ,	JAN	77						
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	1.4	15	16	17	18	19	20	21	22	23	24	MEAN
1 2 3 4 5 6 7 8 9	0 0 1 2 0 2 3 0 2 1	0 0 1 2 0 2 3 0 3 1	0 2 3 0 2 3 0 2 1	0 0 1 3 0 2 5 0 2	0 0 1 3 0 1 1	0 0 1 3 0 2 3 1 1 1	0 0 1 2 0 1 2 1 1 1	0 0 1 2 0 1 2 2 1 1	0 1 2 2 0 1 3 1 1	0 1 2 1 1 1 2 1 1 1	0 0 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0 1 3 1 1 2 1 2 0 1	1 1 2 1 2 0 1	1 1 3 1 0 6 1 2 1	1 1 3 1 1 4 0 2 0	1 1 4 1 1 6 0 1 1 0	1 1 3 1 1 7 0 1 1	1 1 2 1 6 1 2 1 0	1 1 2 1 1 4 0 1 1 0	1 3 2 1 2 2 0 1 1 0	1 4 2 1 10 2 0 1 1 0	0 2 2 0 7 3 0 2 1 0	0 2 2 1 4 3 0 2 1 0	0 1 2 0 3 2 1 2 1 0	0 1 2 1 1 3 1 1 1 1 1 1
11 12 13 14 15 16 17 18 19 20	0 1 1 2 2 1 0 2 1 1	0 1 3 2 0 0 2	0 1 3 3 0 0 1 2	0 1 4 3 0 0 1 2 0	5 3 0 0 1	0 1 1 5 3 0 0 1 1 0	0 2 1 4 2 0 0 1 2 1	0 2 1 4 2 0 0 2 1 1	0 2 1 3 3 0 1 3 2 1	0 2 2 3 2 0 1 2 1 1	0 2 2 3 2 0 2 3 2 2	1 2 2 1 2 0 1 1 3 3	1 2 2 0 2 0 1 3 2 3	1 3 2 0 2 0 1 1	0 2 2 1 3 0 1 1	0 2 1 2 0 1 1 1 5	0 1 2 2 2 1 1 1 1 4	0 1 2 2 1 1 1 3	0 1 1 2 1 1 1 1 2	1 1 2 2 1 1 1 1 1 3	1 1 4 2 1 0 1 1 1 7	1 5 2 1 0 1 1 5 5	1 1 3 2 1 1 1 1 1 4	1 1 2 2 1 0 2 1 0 4	0 1 2 2 2 2 0 1 1 1 1 2 2
21 22 23 24 25 26 27 28 29 30	3 1 1 1 0 1	4 1 6 3 1 0 0	4 1 5 3 1 1 0 1	4 1 6 3 1 1 2 0	3 1 7 3 1 1 2 0	3 1 0 8 3 1 1 1 0 0	3 1 0 7 3 1 1 2	4 1 0 7 3 1 1 5	3 1 6 3 1 1 3 1 0	3 2 1 7 3 1 5 0	2 1 6 3 1 1 4 1	2 1 1 5 3 1 1 0 1	1 1 3 **** 3 1 1 1 0 0	2 4 6 3 2 1 0	2 2 4 5 2 3 0 0 1 0	2 2 4 4 2 2 2 0 1 0	2 2 4 3 2 3 0 1 0	2 4 3 2 1 1 0 1 0	1 2 4 2 1 2 1 0 0 1	1 3 5 3 2 2 1 0 0 1	1 2 4 4 1 2 2 0 0 0	2 3 3 1 2 1 0 0 1	1 2 4 2 1 2 1 0 1 1	2 4 3 1 2 0 1 1	2 2 2 5 2 1 1 1 0 0
31 MEAN	0	0	1	1	1	1	1	1	1	2	2	1	1	2	0	0 2	2	0	0	1	2	1	2	1	1.5

PERCENTAGE OF DATA VALID - 98.8 PERCENTAGE OF DATA INVALID - 0.7

PERCENTAGE OF DATA UNAVAILABLE - 0.5

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. *- INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POL	LUTANT	- S	ULPHU	R DIO	KIDE								UNITS	- 0.0	DI PAR	RTS/MI	LLIO	N						
	STA	TION -	wc	NO 2	7013	p	s vi	CTORIA	/LEAD	ER N	I AGR	FLS				MON	тн - ғ	EB	77						
HOUR	1	2	3	4	5	6	7	В	9	10	11.	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1 2 3 4 5 6 7 8 9	0 0 4 1 0 2 0 0 3 1	0 0 4 1 1 1 0 0 3 1	0 0 3 0 2 1 0 0 3 0	0 0 3 1 1 0 0 4 0	1 0 3 1 1 0 0 0 5 0	0 0 3 1 7 0 0 0 5 0	0021300150	0 0 2 0 4 0 2	0 0 1 0 4 0 1 1 3 0	0 1 1 3 0 1 2	0 0 2 1 2 0 1 2 1 0	2 1 2 1 1 3 2 0	1 1 1 1 0 1 3 3 0	1 1 1 1 1 0 1 1 0 1 1 0 0 1 0 0 0 0 0 0	1 1 1 1 0 1 1	1 1 1 1 0 0 4 3 1	0 1 1 0 1 5 2 3	0 1 1 1 0 0 5 2 3	1 1 0 1 0 5 3 2	0 1 0 0 5 3 4	0 2 1 1 0 0 4 3 6	0 2 1 0 0 0 3 2 5	0 3 1 0 0 0 4 1 3	0 3 1 0 2 0 0 4 1	0 1 2 1 2 0 0 0 2 3
11 12 13 14 15 16 17 18 19	4 1 0 0 0 0 0 2 1 1	4 0 1 0 1 0 0 2 1	4 0 0 1 0 1 0 2 1	3 0 0 1 0 1 0 2 0 1	3 0 0 1 0 0 0 2 1 1	3 0 1 0 0 0 0 3 0 1	3 0 1 0 0 0 0 2 0 1	3 0 1 0 0 0 3 0 1	3 0 1 0 0 0 0 4 0 1	3 0 1 0 0 0 5 0 1	2 1 1 0 0 0 0 6 1	0 1 1 7 0 1	2 0 1 1 0 1 6 1 1	2 3 0 0 - 1 - 0 1 1	2 4 0 0 1 1 1 2 1 1 1	2 4 0 0 2 1 1 4 1	1 2 0 0 1 1 1 3 0 1	1 1 0 1 1 1 2 3 1 1	1 2 0 1 0 0 1 3 0 1	1 2 0 1 0 0 1 1 0 1	1 2 0 0 0 0 1 1 1 1 1	1 2 1 1 0 0 1 2 1 1	1 2 0 1 0 0 1 2 1 1	1 2 0 1 0 0 1 1 1 0	2 1 0 0 0 0 0 1 3 1 1
21 22 23 24 25 26 27 28	0 1 1 1 1 1 1 1 1	0 1 1 0 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 2 1 1 1 1 1	1 2 0 1 1 1 1 1 1 1	1 2 2 0 1 1 1 1 1	0 0 1 1 2 1	2 1 0 0 1 1 2 1	3 2 0 0 1 1 3	4 2 0 0 1 1 3	3 0 3 1 1 3	3 0 3 1 1 3 -	1 3 0 3 1 1 2	1 3 1 2 1 1 1	3 4 1 1 1 2 1	3 5 0 1 1 2	1 3 0 1 1 1 1 1 1	1 2 0 1 1 1 1 1 1 1	0 1 1 1 1 1 1	1 1 0 2 1 1 1 1 1	0 1 0 1 1 1 1 1	0 1 1 1 1 1	0 1 0 1 1 1 1 1	1 1 0 1 1 1 1	1 2 0 1 1 1
MEAN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	2	1	1	1	1	1	1	1	1	1.1

PERCENTAGE OF DATA VALID - 97.8 PERCENTAGE OF DATA INVALID - 1.3 PERCENTAGE OF DATA UNAVAILABLE - 0.9

- 2. *- INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEJS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNITS - 0.01 PARTS/MILLION

																		1								
	ST	ATION	- WC	NO	27013		PS VI	CTORI	A/LEA	DER N	AGRA	FLS				MON	TH -	MAR	77							
DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	1	1	1	ï	1	1	4	1	1	1	1	,	ĩ	1	1	1	1		1	Ť	,	,		1		
2	1	1	1	1	1	1	1	1	1	1	1		2	4	4	2	2	- 4	2		- 20		Q.	3		1
3	2	2	2	1	1	0	0	0	0	1	2	2	- 2	6	8	3	1	1	1	2	2	3	3	3		2
4	1	1	1	2	1	1	1	0	1	0	1	- 1	ō	ĭ	2	ĭ	i	1	ò	0		2	ò			2
5	0	1	1	1	1	1	1	1	î	1	1		1	- 1	- 1			- :	0		•	1				1
6	1	1	1	1	1	1	1	1	i	1	1	- 1	- 1	- 1				- 1	- 1	1	1	1		- 1		1
7	1	0		-	1	•	Ó	ó	ė	ò	ò	ò	ò	ò	- 1			- 1	1	1	1	1	1	1		1
8	1	1	0	0	a	0	ō	ŏ	ő	ĭ	ĭ	2	2	2			1		1	2	2	1		- 1		1
9	2	2	3	4	3	0	3	4	3	1	ò	3		3	2	3	2 3	1	1	1		193	1	1		1
10	1	1	1	- 7	ĭ	7	2	2	2	3	3	2	4		3	3	3	2	2 2	2	1	1	1	- 1		2
			4	2		(8)	2	- 2	2	3	3	2	3	3	3	3	2	2	2	1	2	1	2	2		2
11	4	3	2	2	1	1	2	2	3	4	5	5	4	3		3		-	-							
12	4	4	4	3	4	4	3	3	3	4	5	3	2	2	3	2	3	2	2	1	2	2	3	4		3
13	0	0	0	o	1	1	õ	ň	0	ī	0	3		- 2	2		2	1	1	1	1	1	1	1		2
14	0	o	0	ŏ	ò	Ö	ŏ	7	٠	i				2 - 1	1	1	1	1	. 1	0	0	0	0	0		0
15	0 1	*** **							!		ò	0		••••	••••	••••				****	1	0	0	0		• •
16	2	•		1	1		1		72		554	· ·		2	2	2	1	2	1	1	2	3	3	2	****	
17	1	Ŷ	÷		1	1	i	1	- 1	1	1	- 1		1	. 1	1	1	1	1	1	1	1	1	1		1
18	- 1	- 1	- :	i	1	1		1	1	1	1	1	- 1	1	1	1	1	0	0	0	0	0	0	0		1
19	ò	ò	ò	1			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0
20	1		2	2	0	0	0	1	1	1	1	1	1	1	1	1	2	1	0	0	0	0	1	2		1
			2	2	2	1	,	1	2	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0		1
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1		0
22	1	0	1	1	1	1	1	0	0	0	0	0	0	0	0 0 2	ó	ò	ò	ò				ò	ò		ŏ
23	0	1	2	3	2	2	2	3	2	2	3	3	6	5	2	ĩ	1	1	ĭ	0	0	0	a	Ö		
24	0	0	0	0	0	0	0	0	0	1	0	0	1	0	ō		- 1	- 1		2	2	1	2	·		2
24 25 26	1	1	2	3	3	1	0	1	1	1	1	2	4	ā	0 5 2	3	2	9	- 1	1	1	i				1
26	1	1	1	1	1	1	0	1	ò	0	0	7	1	- 7	້ຳ	້	2	ì	- 1	ò				T. (T. ()		2
27	0	0	1	2	3	2	3	3	3	4	3	2	2	1	2	3	3	2	- 1	ĭ	0	0	0	0		1
28	2	2	2	2	4	4	2	- ĩ	ĭ	1	1	ō	- 1	•	1	ŏ	ő	á			2	2	3	2		2
29	0	0	1	1	0	0	- 7	4	1	i	2	2	à	ġ		2	2	Ö	0	0	0	0	0	0		1
30	1	1	1	1	ī	2	2	4	5	4	3	2	2	1	1	1	1	- 1	- 1	1	1	1	1	- !		1
31	1		100	1		1	1		_			_			(*)		ı.		•		100	12.00				2
			•					0	٥	0	0	1	1	1	0	0	1	0	0	0	0	0	0	0		0
MEAN	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	1	1	1	1	1	1	1	1		1 .	. 2

PERCENTAGE OF DATA VALID - 96.4 PERCENTAGE OF DATA INVALID - 2.8

PERCENTAGE OF DATA UNAVAILABLE - 0.8

NOTES 1. ****** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- *- INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

POLLUTANT - SULPHUR DIOXIDE UNITS - 0.01 PARTS/MILLION STATION - WC NO 27013 PS VICTORIA/LEADER NIAGRA FLS MONTH - APR 77 HOUR 6 7 B 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 MEAN 1 2 3 4 5 6 7 8 9 10 0000 11 12 13 14 15 16 17 18 19 20 0 0010000010 0 1 2 2 2211013510 2 0000000 010020 0 1 1 0 21 22 23 24 25 26 27 28 29 1 1100000000 0000000 .00001 00001 0 MEAN 0 1 1 0.7

PERCENTAGE OF DATA VALID - 97.8

PERCENTAGE OF DATA INVALID - 0.8

PERCENTAGE OF DATA UNAVAILABLE - 1.4

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEJS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNITS - 0.01 PARTS/MILLION

		STA	TION	wc	NO .	27013	P	s VIC	TORIA	/LEAC	ER NI	AGRA	FLS				MONT	гн - г	YAN	77						
HOL		Ť	2	3	4	5	6	7	8	9	10	1.1	12	13	14	15	16	17	18	19	20	21	22	23	24 N	EAN
1 2 3 4 5 6 7 8 9		0 3 0 0 0 0 0 0 0 0 0 0	0 1 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0	000000000	0 0 0 0 0 1 0 0	1 0 0 0 0 0 0 0 0	000000000	0 0 0 0 0 0 0	2 0 0 0 0 0 0	1 0 0 1 0 6 0 0	2 0 1 0 0 0 0	3 0 0 0 1 0 1	0 1 0 0 1	2 1 0 1 0 0 0 1	2 1 0 1 0 6 0 0 1	1 0 0 0 1 1 0 0 1	1 0 0 0 1 1 0 0 1	2 0 0 0 1 1 0 0 1	0 0 1 1 0 0 1	1 0 0 0 0 0 0 0 1	1 0 0 0 0 0 0 0 1	200000000	~000000000	300000000	1 0 0 0 0 1 0 0 0
11 12 13 14 15 16 17 18 19		0 0 0 0 1 0 2 2 1 0	0 0 0 0 1 0 2 1 1 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 2 1 0 0	0 0 1 1 0 0 0 2 1 1 0 0	0 0 0 0 1 2 1 0 0	0 0 2 1 0 0 0	0 0 1 1 1 1 1 2 1 0 0	0 1 1 1 2 1 2 1 0 0	0 0 1 1 2 1 2 1 0	0 0 1 1 1 1 3 1 0 1	0 1 1 1 1 2 2 0 0	0 1 2 1 1 2 2 1 0 1	0 1 3 1 0 1 2 0 0 1	1 1 2 1 0 1 2 1 0 1	1 1 1 0 3 2 1 0 1	1 0 1 0 2 2 1 0 1	1 0 1 1 0 2 1 1 0 1	1 0 1 2 3 1 1 0 1	1 1 1 3 1 1 0 1	0 1 1 4 1 1 0 1	1 0 1 1 3 1 1 0 1	0 0 0 1 0 3 2 1 0 1	1 0 2 1 0 3 2 1 0 1	1 1 2 2 1 0 1
21 22 23 24 25 26 27 28 29 30		0 1 1 0 0 0 0 1 1 0	0 1 1 0 0 0 0 1 1 0	0 1 1 1 0 1 0 1	0 1 1 0 0 0 1 1 0 0	0 1 1 0 0 0 0 0 0 1 1 1	0 1 0 0 0 0 1 0 1 0	0 1 0 0 1 0 1 0	0 1 0 1 1 0 2 1 0 0	0 1 0 1 0 1 1 0 0	0 1 0 1 0 2 1 0 0	1 1 2 1 0 • 0 1 1 1 0	1 1 1 1 0 2 1 0	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 2 0 1 1 2 0 1	2 1 1 1 1 1 2 0 1 1 2 0 1	2 1 1 1 0 0 1 2 0 1	1 1 0 0 1 2 0 1	1 1 0 0 2 2 0 1	2 1 1 0 0 1 1 0 1	2 1 1 1 0 0 1 1 0 1	1 1 1 0 0 0 1 1 0 1	1 1 0 0 0 2 1 0 1	1 1 0 0 0 2 1 0 1	1 1 0 0 0 1 1 1 1 1	1 1 0 0 1 1 0 1
31		1	1	1	1	0	0	0	1	1	3	2	0	1	1	1	1	1	1.	1	3	1	1	1	0	1.
MEAN	N	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	- 1	0.6

PERCENTAGE OF DATA VALID - 98.8 PERCENTAGE OF DATA INVALID - 0.4

PERCENTAGE OF DATA UNAVAILABLE - 0.8

NOTES 1. ****** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POL	LUTANT	- 5	ULPH	UR DIO	XIDE								UNITS	- 0.0	01 PAR	RTS/MI	LLIO	N						
	STA	TION -	WC	NO	27013	Р	s vi	CTORI	A/LEAD	DER NI	AGRA	FLS				MONT	тн	JUN	77						
DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 M	EAN
1 2 3 4 5 6 7 8 9	0 0 1 1 0 0 2 0 0	0 0 0 1 1 0 0 2 0 0	000000000000000000000000000000000000000	0 0 0 1 0 0 4 0 0	0 0 0 1 1 0 4 0 0	0 0 0 1 0 0 4 0 0	0 0 1 0 1 1 0 3 0 0	0 0 1 1 1 0 0 2 0 0	0 0 0 0 0 0 0 0 0 0	0 0 0 1 1 0 0 1	0 0 0 1 0 0 2 0 0	0 0 0 1 0 0 0	0 0 0 1 1 0 0 2 0 0	0 0 1 0 0 0	0 0 1 1 0 0 1 0 0	0 0 1 1 0 0 1 1 0	1 0 1 1 0 0 1 0 0	1 0 0 1 0 0 0	1 0 1 1 0 0 1 1 0	0 0 0 1 1 0 0 0 0	0 0 0 0 0 0 0 0 0	0 0 0 1 0 0 0 0	0 0 0 1 0 0 1	0 0 1 1 0 0 2 0 0 0	0 0 0 1 1 0 0 2 0 0
11 12 13 14 15 16 17 18 19	000000000000000000000000000000000000000	0 0 0 0 0 0 0 0 0 0	2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 1 1 0 0 0	0 1 0 2 1 0 0 0	0 1 0 0 0 0 0	0 1 0 - 0 2 0 0 0	0 1 0 0 0 0 0 0	0 0 0 0 0 0 0		0 0 0 0 0 0 1 0	0 0 1 0 0 1 0	0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 1 0 0 1 0	0 0 0 0 0 0 1 1	0 0 0 0 1 0 0 1 0	1 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 1 0 0 0 1		00000000	0000010000	1 0 0 0 0 1 0 0 0 0	0000010000
21 22 23 24 25 26 27 28 29 30	0 1 0 0 0 0 0 1	0 1 0 1 1 0 0 0 0 1	0 1 0 1 1 0 1 1	0 0 0 0 0 1	0 1 0 0 0 1	0 0 0 0 0 0 0 0 1	0 0 0 0 0 1	0 0 0 0 0 0 0 1	0 1 1 0 0 1 0 1	0 1 1 1 1 0 0 1 1 0 1	1 1 1 1 0 1 1 0 0 1 1	0001	1 1 3 3	2	1 1 3 1 1 2 1 1 1 1	1 1 3 1 2 1 1 1 1	1 1 3 0 1 1 1	1 1 2 1 1 1 1 0 1	1 1 2 1 1 1 1 1 1 1	1 1 1 1 1 1 0 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 0 0 0 1 1 1 1	1 0 1 1 0 0 0 0 1 1	1 0 1 1 0 0 0 0 1 0	1 1 1 0 0 0 1 0 1
MEAN	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0	0.4

PERCENTAGE OF DATA VALID - 97.1 PERCENTAGE OF DATA INVALID - 1.5 PERCENTAGE OF DATA UNAVAILABLE - 1.4

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

	51	MOITAT	- wc	NO	27013		PS VI	CTORIA	A/LEA	DER N	IAGRA	FLS				MON	TH -	JUL	77						
HOUR	•	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	Ÿ	1	ŏ	Ÿ	0		Ÿ	0	0	0	U	0	Ÿ	Ÿ	Ų
3	0	0	0	0	0	0				0	1		0	- 1	1	- 1	- 1	1		1			1		1
4		0	0	0	1	1	1	0	1	0	0	0	ò	1	1		'n	1	2	- 1		1	0	0	
5 6	0000	0	0	0	0	0	0000	0	0	Ö	ő	0	****	0000	1	. 0	****	0	0	000	1.	000	0	ŏ	0
6	0	0	0	0	0	0	0		0	ŏ	2			Ü	0	0			1	0	0	0	ŏ	0	0
7	0	0	0	••••	••••	0	0		0			0	ō	ŭ	0	0	0	0	0	0	0	0		ŏ	0
8	0	0	0	0	0	0	Ü	0	0	0	0	0	0	ō	0	0	- 1	0	2	0	0		0	0	0
9	0		0	0	0	0	0	0	0	0	0	0	0	0	1			,	- 1	1	1	1	- 1	1	1
10	0	••••	1	1	1	1	1	0	1	0	0	0	1	1	1		,	,	1	1	1	0	0	1	9
11	1	1	1	1	1	1	0	0	1	1	1	0	1	0	0	0	0	1	0	0	0	0	0	0	0
12	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	1	0
13	0	0	0	0	0	0	0	0	0	0		0	0		0	- 1	0	0	****	0	0	0	0	0	0 0 0 0 0
14 15 16 17 18 19	0 0 0	0	0	0	0	0	0	0	0	0	0		0	1	1	1	1	1	0		0		0	0	0
15	0	0	0	0	0	00000	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0
16	0	0	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0	2			1	0	0	0
17	0	0	0	0	0	٥	0	,	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0
18	0	0	0	0	0	0	0	0	0		0		0	0	1	1	1	0	1	1	1	0	1	1.	0
19	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	. 0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	- 1	1	0
21	1		1	1		0	0 0 0	0	0	••••	0	0 0 0	0	0	0	0	0	0	0	8	0	0	0	0	000000
22	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0	0	*		0	0	0	0	О
23 24 25 26 27 28 29	0		0	0		0000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	000	0	o
24	0000	0	0	0	0			0	0	0	0	0	1	0	1	1	1	1	1	- 1	1	0	0	0	٥
25	0	0	0	0		0	0	0	0	0	1	0	0	0	0	0	2	0	0	0	0	0	0	2	0
26	0	0	0	0	0	0	1	0	0	0	0	0	0	0		0	2	1	0			-	1	0	0
27	0		0	0		0		0	0		0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
28	0	0	0	3	0	0	1	0	0	0	0	1	1	1	••••	1	2	2	1	1	1	- 1	1	1	1
29	1	1	1	1	1	1	1	1	1	0	1	1	1	1		1	1	1	1	1	1	1	1	1	1
30	1	1	1	1	0	1	0	1	0	1	1	1	1	1		1	1	1	1	1	4	1	1	1	1
31	1	1	1	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	1	0	0	0	0	0	0.3

PERCENTAGE OF DATA VALID - 97.3

PERCENTAGE OF DATA INVALID - 1.6

PERCENTAGE OF DATA UNAVAILABLE - 1.1

NOTES 1. ****** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. .. INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

POLLUTANT - SULPHUR DIOXIDE UNITS - 0.01 PARTS/MILLION STATION - WC NO 27013 PS VICTORIA/LEADER NIAGRA FLS MONTH - AUG 77 HOUR 21 22 3 4 5 6 7 8 9 • 00000 12 13 14 15 16 17 18 19 20 22 23 24 25 26 27 28 29 30 ò 0.6

PERCENTAGE OF DATA VALID - 92.1

PERCENTAGE OF DATA INVALID - 7.8

PERCENTAGE OF DATA UNAVAILABLE - 0.1

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. "***** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNITS . D.O1 PARTS/MILLION

		LO I MILL				77.0.00								-1114											
	STA	TION -	WC	NO 2	7013	P.	5 V1C	TORIA	/LEA	DER N	IAGRA	FLS				MON	тн -	SEP	77						
HOUR	1	2	3	.4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 MI	EAN
1	1	1	1	1	0	1	0	0	0	1	0	1	1	1	1	2	1	****	1	1	1.	1	0	0	1
2	0	0	0	0	0	0	0	0	0	0	1	0	1	1	0	1	1	1	0	0	0	0	0	0	0
3	0	1 **		0	1	0	0	0	0	0	1	0	0	0	1	1	1	1	1	0	1	1	1	0	0
4	1	1	1	1.	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	1
5	0	1	1	1	1	1	0	0	0	0	0	0	1	2	1	1		1	1	1	1	1	1		1
6	1	1	1	1	1	0	0	0	0	****	****	0	0	1	1	1	1	1	1	1	1	1	1	1	1
7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	0	1	1	0	1
8	0	0	0	0	0	0	1.	1	1	1	1	1	1	0	0	1	1	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	O	0	0	0	0	1	1	1	1	1	1	1	1	1	0	1	0	1	0
10	0	1	1	1	0	0	1.	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	*		0	0
13	0	0	0	0	0	1:	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0
14	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	-		1	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0
1.6	2	2	2	2	1	1	1	1	0	0	****	0	0	0	0	0		0	0	0	0	0	0	0	1
17	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0
18	0	1	1	1.	1	1	1	1	0	0	0	0	2	1	1	0	0	0	0	0	0	0	0	1	1
19	1	1	2	1	1	1	0	0	0	0	0	1	****	1	1	1	1	1	1	1	1	1	1	1	1
20	1.	1	1	1	1	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	1	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	1	1	1	0	0
25	0	0	0	0	0	0	0	0	1	- 1	0	0	0	1	1	1	1	1	1	0	1	1	0	0	0
26	1	1	1	1	1	1	1	2	1	- 1	1	1	1	0	1	1	1	1	1 1	***	1	3	1	1	1
27	1	1	1	1	1	0	1	1	*	****	1	0	0	0	0	0	0	2	1	0	0	0	0	0	1
28	0	0	2	1	0 *	*** *		0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0	1
29	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	1	0	0	0	0
30	0	0	0	0	0	0	0	0	1	0	0	2	1	1	1	1	0	0	0	1	1	1	0	0	0
MEAN	0	0	1	0	0	0	0	0	0	0	0	0	1	1	3	1	1	1	1	0	0	1	0	0	0.4

PERCENTAGE OF DATA VALID - 97.8 PERCENTAGE OF DATA INVALID - 1.5

PERCENTAGE OF DATA UNAVAILABLE - 0.7

NOTES 1. ****** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. *-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	PC	LLUTA	INT -	SULPH	HUR DI	OXIDE								UNITS	s - o.	01 PA	RTS/N	MILLIC	N						
	SI	ATIO	4 - WC	NO	27013	3	PS VI	CTORI	A/LEA	DER N	IAGRA	FLS				MON	тн -	OCT	77						
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	. 19	20	21	22	23	24	MEAN
1 2 3 4	1 1	1 1 1	1 1	1 1 1	0 1 1	0 1 1	0 1 1	0 1 1	1 1	0 1 1	0 1 1	0 1 1	0 1 1	1 1	0 1 1	0 1 1	1	1 1	1 0 1 2	1 3 1 1	1 1 1	2 1 1	1 1 1	1 1 1	0 1 1
5 6 7 8	1 1	1 1	1 1 2 1	1 1 2	1 1 2	1 1 1 2	1 1 2	1 1 2	1 1 2	1 1 2	3 2 2	1 3 2 2	1 2 1		1 1 1	1 1 1	1 1 1	1 1 1	1 1 2	1 1 2	1 1 2	1 1 2	1 3 1 2	1 1 2	1 1 2
10	2	2	3	2	2	2	****	****	****	****	****	****	****	••••	****	****	••••	****	****	****	2	****	6 ****	****	*****
11 12 13 14 15 16 17 18 19	1 2 1 2 1 1 0 0	1 1 1 1 1 0	1 1 1 1 1 1 1 1 2 0	1 2 1 1 2 1 1 0 0 0	1 3 0 1 1 1 1 0 0	1 2 0 0 0 1 1 1 0 0	1 1 0 0 1 1 1 0 0 0	1 1 0 1 0 1 0 0 0	1 1 1 1 0 1 0 0 0	1 1 1 1 1 0 0	1 1 1 1 1 0 0 0	1 1 1 3 1 0 1	1 1 0 2 1 0 1	1 1 0 2 1 1 1 0	2 1 1 2 1 2 1 2	1 1 3 1 2 1 2 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 0	1 1 0 0 0 0 0	1 1 1 1 1 0 0 0 0	1 1 0 0 1 1 1 0 0 0	1 1 0 0 0 0 0 0 0 0	1 0 1 0 0 0 0	1 0 3 2 1 0 0	1 1 1 1 1 1 0 0
21 22 23 24 25 26 27 28 29 30	0 1 1 2 1 2 1 1 0 0	0 1 1 2 1 2 1 1 0 0	1 1 2 1 2 1 1	0 1 1 3 1 1 2 1 1 0 2 2	0 1 1 2 1 2 2 1 2 1 2	011111111111111111111111111111111111111	0 1 1 3 1 1 1 0 1	0 1 1 2 1 1 1 1 0 0	0 1 1 2 2 1 1 1 1 1 1 0	0 1 1 2 2 2 1 1 1 0	1 1 2 2 2 1 1 1 0 0	1 1 2 3 1 1 1 0 0	1 1 3 3 1 1 1 0 0	3 1 1 1 0		1 1 3 2 1 1 1	1 1 2 2 4 1 1 1 1 1	1 1 1 3 2 1 1	1 1 0 0 1 1 1 0 0 0	1 1 0 0 0 0 0	0 1 1 0 0 0 0	0 1 1 0 1 1 0 0 1 0	1 1 0 0 2 1 1 0 1 0	1 1 1 1 1 1 1 2	2 2 1 1 1 1 1 1 1
31		.1	1	2			4	4	4	2	2		2		-	2	2			-	1	1	1	1	2
MEAN	- 1	1	1	1	1	1	1	- 1	1	1	1	1	1	- 1	1	1	1	1	1	1	1	1	1	1	1.0

PERCENTAGE OF DATA VALID - 94.8 PERCENTAGE OF DATA INVALID - 5.1 PERCENTAGE OF DATA UNAVAILABLE - 0.1

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNITS - 0.01 PARTS/MILLION

	ST	ATION	- wC	NO NO	27013		PS VI	CTORI	A/LEA	DER N	IAGRA	FLS				MON	тн -	NOV	77						
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
3		2	1	1	1	1	1	1	1	1	1	2	1	2	1	2	2	1	1	1	1	2	2	1	1
2	i	2	1			1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	- 1	- 1	ò	
3	î	- 7	1	1	1	1	1	2	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0		
4	o	Ó	2	0	0	0	0	0	0	0	000	000	1	0	0	0	0	0	00000	0	0 0 0	0	0 0 0	0	ŏ
5		0	ō			0 0 0	0	1	1	0 0 0	0	0	0	1	00000	0	0	0	0	0	0	0	0	0	ŏ
6	ō	ō	ŏ	ō	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		ő
7	ō	0	ō	0 0 0	0	0	0	0	0 0 0	0		0	0	0	0		0		0	ō		0		1	ŏ
8	ō	o	0 0 0	0	0	0	0	0	0				0			•	••••	0		1	1	2	1	ŏ	9
9	0000	ō	- 2	- 3		1	1		1	3	3	2	2	4	7	4	- 1	1		1	3	4	4	- 4	- 2
10	2	1	1	1	1	2	2	2	2	2	2	2	1	•	1	2	1	-1	1	1	2	1	,	1	3/
11	0	1	1	1	- 1	0	1	ĭ	0	0	0		1		1	1	1	1	1	1	1	1	1	1	1
12	ĭ	- 1	•	- 1	- 1	ī	1	1	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	1	
13	i	ò	- ;	ò	o	ò	o	1	1	1	1	1	0	0	1	1	1	0	0	1	1	0	1	1	1
14	- 1	2	·	- 1	1	1	1	1	1	1	1	1		1	1	1	••••		****					****	1
14		-											DATA												
16													DATA	INVAL	ID -										
16	****	****						****	****	0	1	1	1	- 1	2	2	1	2	1	2	2	2	- 1		*****
18	1	1	1	1	2	2	2	2	0	0	0		0		0	0	0	****	****	****	••••		• • • •	1	1
19	o	Ö	0	0	0	0	2	0	0	0	0	0	0		1	0	0	0	0	0	۰	0	0	0	0
20	0	0	1	1	2	2	1	1	1	0	2	2	2	3	3	3	2	2	1	1	2	2	2	0	2
21	0	0	0	0	0	0	0	0	0	****				****		••••	••••	****	••••	••••	••••	••••	••••	••••	*****
22		****		****				****					3	1	1	1	1		1	1	1	1	2	2	*****
	2	1	1	0	0	1	1	0	0	0			2	1	- 1	() -		****		****		0	1	1	1
23 24 25 26 27 28	•		ò	1	ĭ	- 1	ò	ĩ		0	1		****	1	1		****	****	****	****	1	1	••••	****	
25	•	2	ĭ	Ó	1	- 1	1	0						1	0	1	1	1	0	0	0	0	1	0	1
26	ò	- 7	'n			- 1	0	. 0	0	0	0	0	0	1	1	1	1	1	1	0	0	1	1	2	,
27	1	2	0	3	2	2	2	1	1	1	1	0		1	1	1	2	2	1	0	1	0	0	2	
28	- 4	1	2		1	1	1	1	2	1	1	1		1	2	2 3	1	1	1	1	1	1	2	3	1.
29	4	2	ī	1		2	2			2	2	3	3	4	5		2	2	2	1	2	2	1	1	2
30	2	•	2	3	4	2	3	1	*		1	1	1	1	2	0	0	1	1	1	1	1	2	2	2
MEAN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.9

PERCENTAGE OF DATA VALID - 81.3

PERCENTAGE OF DATA INVALID - 16.5

PERCENTAGE OF DATA UNAVAILABLE - 2.2

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. .. INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEJS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POL	LUTANT	r - s	ULPH	UR DIO	XIDE							ı	JNITS	- 0.0	DI PAR	RTS/MI	LLIO	4						
	STAT	TION -	wc.	NO	27013	P	S VIC	TORIA	/LEAT	ER N	AGRA	FLS				MONT	rH - D	EC	77						
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	, 19	20	21	22	23	24 M	EAN
1 2 3 4 5	2 2 1 1 1 1 1 1 1	1 1 1 1 0 1	1 1 1 2 1	1 1 2 2	2 1 1 2 3 1	3 2 1 2 2 1 3	3 1 2 2 1 3	2 1 1 1 1 1 3	1 1 2 2 0 3	1 1 1 1 1 2	1 1 2 1 1 2	1 1 2 1 0 0	1 1 1 0 0	1 1 0	1 1 0 1 1	1 1 0 1 1	1 2 1 0 1 1 1	1 2 1 1 0 1	1 0 1 0 1 2	1 1 1 0 2 1	1 1 1 0 1 1	1 1 1 0 1 1	1 1 0 1 1	1 1 0 1 1	1
8 9 10	2 2	1 2	1 2	1	1	3 1 1	1	1	2 1	1 1	1 2 1	1 3 1	1 2 1	1 2 0	3 2 0	1 2 0	2 0	1 2 1	1	;	1 3	1 3	ì	1	1
11 12 13 14 15 16 17 18 19	1 3 1 2 1 1 2 2 2 2 2	1 5 1 2 2 1 2 2 1	1 4 1 2 2 1 2 3 1 2	2 3 1 3 1 2 3 1	2 1 1 2 3 1 2 3 1	1 2 1 2 2 1 3 3 1 2	0 2 1 2 2 1 2 3 1 2	0 2 1 1 2 1 2 2 1 2	0 2 1 1 2 1 2 1 3	1 3 1 1 1 2 2 1 3	1 1 1 2 1 1 1 3	1 1 1 2 2 1 1 3	2 2 0 0 1 1 2 1 1 2	1 2 1 1 1 1 3	1 1 1 1 0 1 3	1 1 2 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 2 1 1	0 1 1 1 1 2 1 1	1 1 2 2 1 2 2 1 1	0 1 2 1 1 2 2 1 1 1	2 2 2 2 1 2	1 2 0 1 2 2 2 1 2	1 2 2 1 2 2 3 1 1	1 1 1 1 2 2 1 2
21 22 23 24 25 26 27 28 29 30	2 1 2 2 1 1 1 1 1 1 1	1 1 2 2 1 1 1 1 1 1 1 1	2 1 3 2 1 1 2 1 1	1 1 3 2 1 1 1 1 1 2	1 1 3 2 2 1 1 2 1 3	1 1 3 2 2 1 2 0 1 2	1 2 1 2 1 5	1 2 1 2 1 1 5	1 1 2 1 1 1 1 4	1 1 2 1 1 2 1 1 3	2 2 1 1 1 2 2	1 2 2 2 1 1 1 1 3 3	3 2 3 1 1 1 2 3	2 2 3 1 1 1 1 1 3	1 2 2 3 1 1 1 1 1 2	1 1 2 4 1 1 1 1 1 2	1 2 3 1 1 1 1 1 2	2 1 2 3 2 1 1 1 1 2	2 2 2 2 1 1 1 1 1 1 2	2 1 2 5 1 1 1 1 2	2 3 1 1 1 1 2	1 1 2 2 1 1 1 1 2	1 1 2 2 1 1 1 1 1 1 1	1 2 2 1 1 1 1 1 1 1	1 2 2 1 1 1 1 2
31	1	1	1	1	2	1	1	1	1	2	1	2	2	2	2	1	1	1	1	'	1	2	2	•	1.4
MEAN	1	1	2	1	2	2	2	1	1	1	1	1	1	1	1	- 1	1	1		,	- 1	- 1	•	•	

PERCENTAGE OF DATA VALID - 99.1 PERCENTAGE OF DATA INVALID - 0.3

PERCENTAGE OF DATA UNAVAILABLE - 0.7

- --- INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1977

MONTHLY SUMMARY	OF HOURLY AND 2-HOURL	Y DATA FOR 1977		
POLLUTANT - SU	PHUR DIOXIDE		UNITS - 0.01 PARTS/MILL	ON
STATION - MC	0 27013 PS VICTORI	A/LEADER NIAGRA FLS		
MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	1.5	5	10
FEB	28	1.1	3	7
MAR	29	1.2	3	8.
APR	30	0.7	2	5
MAY	31	0.6	2	6
JUN	30	0.4	2	5
JUL	31	0.3	1	3
AUG	27	0.6	2	3
SEP	30	0.4	1	3
ост	29	1.0	2	6
NOV	24	0.9	2	7
DEC	31	1.4	2	6
YEAR	351	0.8	E	••

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

MON	THLY G	ROUP FREQU	ENCY DIST	RIBUTION FO	OR 1977								
POLL	UTANT	SULPHUR	DIOXIDE					UNITS -	O.O1 PART	S/MILLION			
STA	TION .	WC NO 27	013 P	VICTORIA,	LEADER N	IAGRA F	LS						
	MONT	H 00 TO 04	05 TO 10	11 10 14	15 TO :	25 26	TO 39	40 60VE	R TOTAL				
	JAN	705	30	, ,)	0	0		73	5			
	FEB	642	11	5 ()	0	0	9	65	7			
	MAR	709		3 ()	0	0		71	7			
	APR	703	,		, ,	0	0		70	4 ,			
	MAY	733		2 ()	0	0		73	5			
ď	JUN	698	•)	0	0		69	9			
	JUL	724		, ,)	0	0		72	4			
	AUG	685		, ,)	0	0		68	5			
	SEP	704		, ,)	0	0		70	4			
	OCT	703		2 0)	0	0		70	5			
	NOV	583		2 0)	0	0		58	5			
	DEC	732	,	, ,)	0 -	0		73	7			
	YEAR	8321	66	3 0)	0	0		838	7			
FRE	QUENCY	DISTRIBUT PERCENT	ION BY PER	RCENTILES			CONCENT						
		OF DATA VALID	MIN	10	30 FRI	50 50	DISTRIE 70	90 90	PERCENT 95	98	99	MAX	ARITH MEAN
		95.7	0	0.0	0.0	0.2	0.7	1.6	2.2	3.0	3.0	10	

UNITS - 0.01 PARTS/MILLION

	ST	TION	· wc	NO	27027	P	\$ 309	BEAT	RICE	ST W	ELLAND	5				MON	TH -	JAN	77						
DAY	,	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 M	EAN
1	1	1	1		1	1	1	1	1	1	1	1	1	1	2	2	2	2	2						246
2	1	1	1	1	1	t	1	2	1	2	2	2	2	5	3	2	3	2	3	4	1	- 1	1	1	1
3	4	3	2	2	1	2	2	4	3	3	4	4	4	4	6	2	2	2	2	2	3		3	3	2
4	3	4	4	4	4	3	3	4	2	3	4	3	6	4	5	4	3	3	4	3	3	3	3	3	3
5	0 6 5 3 8	0	3	1	3	4		4	2	4	2	1	2	3	2	3	1	2	2	3	3	- 1	1	0	3
6	6	5	5	6	5	8	2	2	2	0	1.	1	2	3	7	8	7	7	- 7	à	4	5	8		3
7	5	6	6	6	5	6	6	5	4	6	4	4	4	3	3	4	2	à		3		2	7	5	4
8	3	2	2	6 5 6	1	1	1	1	3	3	5	4	4	4	3	3	3	4	-	7	3	7	-	2	4
9		7	7	6	5	4	5	3	1	2	2 2	2	2	2	2	2	2	3	2	á	3 6 3	2	ŏ		4
10	3	3	3	3	3	3	3	3	2	2	2	3	4	4	3	2	3	4	3	3	3	4	3	2	3
11	2	2	3	4	4	4	4	3	3	2	3	3	3	3	3	4	4	5						-	-
12	3	3	3	4	3	4	6	7	6	6	5 •			6	7	6	6	6	5	6			5	3	4
13	3	3	6	5	6	7	5	3	8	7	5	4	3	5			2	2	5	8	8	8	6	3	5
14 15 16	4	5	5	8	9	8	7	6	6	- 1	5	5	5	8	5		5	3	4	2	3	5	4	4	4
15	5	5	5	5	4	3	3	3	4	3	3	3	3	4	4	3	3	7	3		4	4	4	3	5
16	3	3	3	1	1	2	1	1	1	2	2	2	2	,	- 7	5 3 2	4	3	7	3	3	3	2	3	3
17 18	4	4	3	3	8	8	7	6	7	5	3	4	4	3	à	5	5	7	8	9	10	9	7	6	4
18	5	4	2	3	8	6	4	6	8	6	5	5	6	6	6	8	9		8	7	3	2	2	4	5
19	4	6	8	8	5	3	4	3	3	4	4	5	4	4	7	7	9		5	8	6	5	4	2	6
20	1	1	3	6	8	9	9	В	8	9	10	12	11	****	ģ	B	4	6	8	16	11	12	10	6	5 8
21	5	6	8	6	5	5	7	8	9	9	6	7	8	3	2	1			-					-	•
22		3	2	1	1	1	2	2	2	3	3	2	2	3	4	3	2		3	1	1	1	1		4
23	3	1		2	1	2	1	1	- 7	2	4	7	6	6	5	7	4	-	7	5	4	3	3	2	2
24	5	6	7	9	9	9	8	7	9	9	10	10	7	5	8	3	5	6	5	7	3	4	4	4	4
25	5	6	7	9	6	5	4	5	4	4	4	6	5	5	6	4	5	,	4	4	5	4	5	5	7
26 27	2	2	3	3	3	4	5	6	5	8	4	2	3	5	3	2		3		2	3		4	2	5
27	2	3	5	5	5	6	8	4	2	1	0	- 1	3	3	4	4	5		3 5 2		3	3	- 2	2	3
28	1	2	2	3	4	4	5	4	3	5	3	3	2	3	3	2	2	2	2	6	6	3	3	1	4
29	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3		3		2	3
30	3	3	2	2	2	2	3	2	2	3	5	2	2	2	2	2	4	3	3	3	3	3	3	3	2
31	3	3	2	3	3	3	3	2	3	3	3	3	3	••••	2	2	2	2	2	1	2	3	2	2	2
MEAN	3	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	3	3.8

PERCENTAGE OF DATA VALID - 98.5 PERCENTAGE OF DATA INVALID - 0.9

PERCENTAGE OF DATA UNAVAILABLE - 0.5

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEJS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

	STA	TION -	WC	NO	27027		PS 3	09 B	EATRICE	ST	WELLA	ND				MON	тн - 1	FEB	77						
DAY	1	2	3	4	5	6	7		9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	2	2	2	2	2	2	2																		
2	2	3	5	3	4	3	2		3 3	3		1	1	1	2	2	2	4	4	3	5	4	4	2	3
3	2 7 2	3 6 3	6	6	5	4	3			3		3	3	4	4	4	7	5	3	3	3	3	5	6	4
4	2	3	4	6	5	4	3		3 3	3		6	5	3	3	6	4	3	3	2	3	3	4	2	- 2
5	1	ī	1	o	2	- 7	5	-		4	3	2	3		2	1	2	3	3 2 2 2	1	1	1	1	- 7	3
6	1	o	•	1	ō	÷			7	2		1	1	1	1	1	1	2	2	2	2			į.	3
7	1	0	,	2	1	ò	2		4	3		- 1	1	1	2	2	2	2	2	2	3	2	1	2	- 7
8	1	1	,	2	4	4	6			5		2	2	9 6 3	2	1	2	2		1	1	2	î	2	;
9	4	4	5	5		7	6		•	2	100	••••	****	9	9	8	6	7	9	8	5	5	6	4	
10	3	4	2	2	6	2	2	2		•	3 2	4	5	6	6 3	6	5	6	7	7	6	5	5	4	ž
				-	-	•	•		. 2		2	1	2	3	3	4	6	4	3	3	4	5	3	4	3
11	3	4	3	3	3	3	3	3		•		-	22	-										15	•
12	1	0	0	Ť	ĭ	ŏ		Č		3		3	3	3	1	2	2	1	2	1	1	2	1	2	2
13	2	1	1	0	ò	1	2	- 1		ò		2	5	4	2	2	4	2	4	8	3	2	3	3	2
14 15 16 17 18	0	0	0	1	ā	0	ō	ċ		ő	ŏ		0			0	0	0	0	1	1	0	0	0	ō
15	0	1	0	0	1	2	ĭ	2		ő		0	••••	1	1	1	2	0	1	0	1	1	1	1	ō
16	1	1	0	0	í	- 7		ā		1		0		**	6	2	2	2	2	2	3	2	2	1	1
17	ï	0	0	1	0	ò	ò	ĭ				1	- 1	1		1	1	1	1	1	1	1	1	0	i
18	4		4	3	3	4	3	- 4		5 5	8	-	1		****	2	3	3	4	2	1	1	2	4	•
19	3	3	3	3	3	2	5	3	3	-	2	10	7	9	7	6	5	5	5	5	5	6	5	3	5
20	4	6	6	7			4	3	5 2 3	4	- 4	2	1	2	2	2		2	1	1	2	6 2 2	5	3	2
										-	-	3	4	4	3	5	4	3	4	4	3	2	2	2	4
21	2	2	2	4	7	8	8	7	5	5	4	3	3			_	_	100							
22	3	2	3	3	3	6	5	5		5		6	7	5	4	2	3	2	2	3	2	3	3	4	4
23	5	6	4	4	4	4	4	3		5	3	3	4	4	6	6	5	5	4	4	4	5	4	3	5
24	3	4	5	5 2	3	3	3	3		5		3		4		4	3	3	3	3	3	3	3	3	4
25	2	1	2	2	3 2	2	1	2		2	- 1	2	-	3	2	4	4	2	3	1	2	1	1	2	3
26	4	4			3	2	2	- 7	i	•		- 1	1	3 2 2	3 2	3	3	3 3 3	2	2	2	1	1	4	2
27	1	1	1	2	1		2	5	3	3	3	2 2 2	4 2 2 2	1	2	2		3	2	2	2	3	1	2	2
28	2	1	4	2	2	2	2	2		2	3	2	2	2	2	2	2	1	2	2	3	1	2	2	2
***	_	1			[M=		_	-		•	4	•	2	2	3	0	3	1	2	3	4	5	6	3	2
MEAN	2	2	2	3	3	3	3	3	3	2	3	3	3	3	3	3	3	3	3	3	~	2			1967 197
												-				-	-	•	3	3	3	3	3	3	2.7

PERCENTAGE OF DATA VALID - 97.6 PERCENTAGE OF DATA INVALID - 1.5

PERCENTAGE OF DATA UNAVAILABLE - 0.9

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNITS - 0.01 PARTS/MILLION

	STA	TION	- wc	NO 2	7027	PS	309	BEAT	RICE	ST WE	ELLANG					MON	TH - 1	MAR	77						
HOUR DAY	1	2	3	4	5	б	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 1	MEAN
1 2 3 4 5 6 7 8 9	5 2 4 1 2 1 0 1	5 2 2 4 1 2 1 1 4 2	3 2 1 4 1 2 - 1 4 1	2 2 1 5 1 2 1 5 1	1 2 1 5 1 2 1 1 3 1	2 1 1 1 2 1 1 3 2	2 2 1 1 1 1 1 3 2	2 2 1 1 2 1 1 3 2	3 3 1 1 2 1 2 3 2	2 4 4 1 1 2 1 4 3 2	3561121533	3 6 2 1 4 1 4 3 3	2 7 6 3 1 3 1 4 3	3 5 8 1 2 1 2 1 4	2 4 3 11 1 2 2 1 3	2 4 4 5 1 1 3 1 2 2	1 4 2 2 1 1 1 2 1 2	2 4 2 1 1 2 1 1 2	2 4 2 0 1 2 2 1 1 2	243212223	2 4 7 2 1 1 2 - 1 2	4 4 6 1 2 1 2 1 3	4 3 1 1 1 1 2 1	3 3 2 2 2 1 0 1 1	3 3 3 3 1 2 1 2 2 2 2
11 12 13 14 15 16 17 18 19	1 3 3 2 0 4 3 1 2	1 2 2 2 0 3 3 2 1 0	1 2 2 0 0 3 3 1 1 0	1 1 0 0 3 3 1 2 0	0 1 4 1 0 3 3 2 1	0 1 0 3 3 3 2 0	0 2 0 2 0 3 3 1 2 0	1 2 0 2 0 3 3 0 2 0	2 8 1 2 0 3 3 0 2 1	7 4 1 0 3 2 0 2	7 3 4 2 0 3 3 1 3 0	6 1 3 1 1 3 2 1 3 1	5 1 2 0 3 3 1 3	3 1 2 1 2 3 3 1 3 0	3 1 2 1 2 3 1 3	3 0 4 2 2 1 2 0	3 1 1 0 3 4 2 1 2 1	2 1 1 0 3 3 0 1 2 1	3 3 0 2 2 1 1 2 0	2 4 3 0 2 4 1 1 0	1 2 2 0 2 2 1 2 2 0	2 1 0 3 2 1 2 3 0	3 1 1 0 5 4 1 1	3 2 2 0 4 4 1 1	2 2 2 1 1 3 2 1 2 0
21 22 23 24 25 26 27 28 29 30	1 2 2 2 3 1 2 2 3	0 3 2 2 9 0 3 2 3	0 2 2 2 2 12 1 5 3	0 1 2 2 3 14 1 7 2 3	0 2 3 1 3 10 1 8 2 2	1 1 5 2 1 6 4 5 3 2	0 1 5 1 5 2 3 2 2	0 1 3 1 3 5 2 2 3	0 1 3 1 4 2 4 3 2 3	1 2 1 3 2 3 3 2 4	3 0 1 1 3 2 4 2 3 4	3 1 2 1 2 5 2 3 4	4 1 4 2 2 2 2 1 4 5	5 2 3 1 1 2 2 2 6 5	4 1 3 1 2 2 3 2 6 4	4 1 3 1 2 2 3 5 8 2	2 1 4 1 2 2 2 2 8 2	2 3 1 2 1 3 2 7 2	2 3 3 1 2 1 2 2 . 2	2 1 2 1 2 2 3 4 2	2221312232	2 3 1 7 2 0 3 3 2	2 3 1 1 3 1 2 5 3 2	1 2 2 2 **** 1 2 3 3	2 2 3 1 2 4 2 3 4 3
31 MEAN	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	2	2	1	2	2	1	2	1	1	2.2

PERCENTAGE OF DATA VALID - 98.5 PERCENTAGE OF DATA INVALID - 0.7

PERCENTAGE OF DATA UNAVAILABLE - 0.8

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POL	LUTANT	- S	ULPH	HUR DIO	IDE							L	NITS	- 0.0	1 PAR	TS/MI	LLION	4						
	STA	TION -	wc	NO	27027	PS	309	BEATRI	CE	ST WE	LLAND					MONT	н - ді	PR	77						
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 N	EAN
1 2 3 4 5 6 7 8 9	1 2 1 0 2 2 2 2 2 1	2 2 1 0 2 2 2 3 1 2	2 2 1 0 2 2 3 2 1 1	1 2 2 3 6 2 1 2	1 1 1 6 2 4 5 2 1	1 1 2 4 2 4 3 1 1 2	1 0 2 2 3 4 3 1 1 2	2 0 1 3 3 3 2 2 2 1 3	1 1 4 5 3 3 2 2 2 2	2 3 2 8 4 4 6 2 1 3	1 2 1 4 3 3 3 3 2 3	3 1 1 2 3 3 3 3 3 3 3 3	3 0 1 2 4 4 3 3 3 3 3	3 0 1 4 4 2 3 3 3	2 0 1 2 3 4 1 3 2 3	2 3 3 2 3 2 3	3 1 3 3 1 2 2 3	1 0 2 4 3 1 2 2 3	1 0 1 1 4 4 2 2 2 2 6	2 1 0 2 3 3 2 3 2 5	3 1 0 2 3 3 2 3 1 3	2 1 0 3 3 3 2 2 1 5	4 1 0 2 3 4 1 2 2 6	4 1 0 2 2 3 2 2 2 6	2 1 1 2 3 3 3 3 2 2 3
11 12 13 14 15 16 17 18 19 20	4 3 2 2 0 3 1 1 1 0	3 2 3 0 2 1 5 2	4 3 4 0 2 1 4 3 1	3 2 2 0 1 1 1 3 2	3 3 3 0 1 1 1 3	2 2 2 1 1 1 1 3 2 2	2222	2 2 2 0 2 1 2 2 3	4 3 2 2 0 2 2 3 1 2	4 3 3 2 1 1 3 3 2 1	4 2 3 2 1 1 6 5 2 2	3 2 2 3 1 1 4 3 2 3	4 2 3 2 1 2 4 3 7 4	4 3 1 2 1 3 1 4 3	7 2 3 3 2 2 2 2 4	6 3 2 2 1 1 2 4 7	5542111247	6 3 2 1 1 2 3 7	6 4 3 2 2 0 1 1 2 6	5 3 4 6 1 1 2 2	5 2 1 5 1 2 1	5 2 1 6 1 2 1 1	6 2 0 3 1 6 4 0 2	3 2 2 0 4 1 3 2 0 2	4 3 3 2 2 1 2 2 2 3
21 22 23 24 25 26 27 28 29 30	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2 1 0 •••• 0 0 0 3 2 2	2 1 0 0 0 0 0 1 1 1 1	2 1 0 0 0 0 1 3	2 1 **** 0 0 0 0 0 1 2	2 1 1 0 0 0 0 1 1 2	210000000	0 0 0 1 2	2 1 0 0 1 2 0 2 3	3 1 0 0 2 3 0 2 3	3 1 0 0 3 3 1 2	3 1 0 0 0 3 3 1 1 2	2 0 0 0 0 0 3 1 - 2	3 1 0 0 0 0 3 0	6 1 0 1 2 4 0 2 2	6 1 0 0 0 1 2 1 3 2	4 0 0 0 1 1 2 1 2 2	6 0 0 0 1 1 2 1 3 1	3 0 0 0 1 1 2 5 1	3 0 0 1 1 1 6	3 0 0 0 0 1 1 3 4 2	4 0 0 0 0 0 1 4 4	6000001253	2 0 0 0 0 0 - 2 4 3	3 1 0 0 0 1 1 1 3 2
MEAN	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2.0

PERCENTAGE OF DATA VALID - 97.5 PERCENTAGE OF DATA INVALID - 1.0

PERCENTAGE OF DATA UNAVAILABLE - 1.5

- 2. "-" INDICATES DATA IS UNAVAILABLE
 - 3. ****** INDICATES LE_S THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNITS - 0.01 PARTS/MILLION

	7.00.00																									
	STAT	TION -	WC	NO :	27027	P	309	BEAT	RICE	ST WE	LLAND					MONT	H - N	1AY	77							
HOUR	1	2	3	4	5	6	7	В	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 M	EAN	
DAY																										
1	4	2	5	6	5	3	2	2	3	3	3	3	4	5	7	8	7	3	3	3	3	3	3	3	4	Į.
2	3	3 6	4	5	7	2	1	- 1	ĭ	1	2	- 7	1	2	1	3	5	5	1	1	1	1	1	2	3	j
3	2	4	2	2	2	1	1	3	3	2	7		2	1	1	1	1	1	1	1	1	3	2	2		
4	3	2	2	2	2	2	3	3	3	3	3	3	3	2	.1	2	1	1	-	1	1	1	1	1	2	
5	1	ő	1	î	ī	1	1	1	1	1	2	2	3	2	2	2	2	2	2	2	2	3	2	2	2	
6	2	2	2	2	2	2	2	2	2	4	5	6	4	4	5	5	6	5	5	2	3	1	1	- 1	3	
7	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	0	1	1	1	1	
8	1	1	1	1	0	1	1	1	0	- 1	2	2	1	1	- 1	1	0	1	0	1	1	1	2	2	- 1	
9	1	1	1	1	1	1	1	1	1	1	1	4:	1	3	1	1	1	3	2	2	- 1	3	-	2	- 2	,
10	1	2	2	3	2	2	2	2	1	1	3	1	2	1	2	2	1	1	2	- 1	1	,				
1.1	3	2	1	1	0	3	2	1	1	2	0	2	1	2	-1	1	6	1	4	1	****	3	1	4	- 3	2
12	1	3	1	1	1	0	0	0	1	1	1	1	2	4	2	1	2	0	1	2	6	2	- 0		- 4	2
13	1	2	3	1	1	1	2	1	1	1	1	1	3	2	1	2	1	5	0	2	3	- 1	1	ò	- 1	1
14	1	1	0	1	4	4	1	2	1	1	1	0	0	1	0	- 1	1	1	1	2	1	3	1	1		î
15	0	0	0	0		0	1	2	2	1	2	1	1	1	1	4	3	4		4	6	4	3	2		3
16	1	2	6	2	1	0	3	2	3	1	1	1	2	2	5	7	7	7	5	3	2	2	2	2		4
17	2	2	2	1	1	1	2	6	8	6	2	3	3	2	6	2	2	2	2	2		1	- 7	î		2
18	2	2	2	2	1	3	1	1	1	- 1	1	2	2	2		3	3	- 1	3	2	ò	1	1	0		1
19	3	1	1	1	1	1	- 3	1	1	- 1	2	2	3	4	3	3	5	7	3	3		2	1	1		2
20	1	0	0	0	0	0	0	0	0	,	2	2	3	-4	3				_	_						
21	0	0	0	0	0	0	0	0	2	1	4	6	6	5	5	5	6	6	10	5		4	3	3		3
22	2	1	0	1	1	0	1	2	3	3	2	2	2	2	2	3		3	3	3 5		3	2	1	1	2
23	2	1	1	1	1	1	1	1	1	1	2	3	5	4	2	3	3	3	3 2	3		3	- 5	1		2
24	1	1	- 1	1	0	0	0	0	0	0	2	4	4	4	6	3	2	2	2	1		2	0	****		1
25	1	0	1	2	1	2	0	0	0	1	1	2	2	2	2	3	3	3	3	2		î	1	0		1
26	0	0	0	0	0	0 *		****	1	1	1	2	3	3	3	3	4	4	4	4		4	3	3		2
27	0	0	0	0	0	0	2	2	- 1	1	2		3	4	3	4	4	3	3	3		1	1	1		2
28	2	1	1	- 1	1	1	1	1	- 1	1	0	2	ő	7	3	1	- 7	1	1	ő		0	0	0		1
29	1	1	3	- 1	1	0	0	0	0	0	1	1	1	2	2	2	2	2	2	2		2	1	1		1
30	0	2	0	0	0	0	0	0	1	0		1	,	2	2	-			-							
31	1	0	0	0	0	0	0	0	1	****	****	2	4	4	5	5	5	5	4	5	5	3	2	2		2
MEAN	1	1	1	1	1	1	1	1	1	1	2	2	2	3	3	3	3	3	3	2	2	2	1	.1	1.4	9

PERCENTAGE OF DATA VALID - 98.0 PERCENTAGE OF DATA INVALID - 1.2 PERCENTAGE OF DATA UNAVAILABLE - 0.8

NOTES 1. ****** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POLL	UTAN	T +	SULPH	HUR DI	OXIDE							į,	UNITS	- 0.0)1 PAF	RTS/MI	LLION	E						
	STAT	ION	- wc	NO	27027		PS 30	9 BEA	TRICE	ST WE	LLAND					MONT	гн - J	IUN	77						
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1 2 3 4 5 6 7 8 9	2 2 0 2 5 2 1 2 1 1	1 0 . 2 4 4 1 2 1 0	1 1 2 4 4 1 1 0 0	0 1 0 2 4 4 4 1 1 0 0	1 2 3 4 1 1	1 1 2 3 3 1 1 0 0	1 1 1 3 4 3 1 1 0 0	2 1 0 3 4 3 0 1 1 0	2 1 2 2 4 1 1 1	3 2 4 3 2 1 1 1 0	4 3 3 4 1 1 2 0	5 1 4 4 2 0 1 2 0	6 1 5 5 2 0 1 2 0	5 1 5 6 3 1 1 2 0	4 1 6 7 3 1 1 3 0	4 1 2 5 3 1 1 3 0	3 0 4 5 3 1 1 3 0 1	3035411302	3 0 3 5 3 1 1 3 0 6	3 5 3 1 1 0 6	3035312015	3 0 3 4 6 1 2 1 0 2	2034512101	2 0 3 4 2 1 2 1 0 0	3 4 3 2 1 2 0
11 12 13 14 15 16 17 18 19 20	0 0 0 0 1 0 0 0 0	1 1 0 0 0 0 1 1 0 0	0 1 0 0 0 1 0 0 0	0 1 0 0 0 0 0 0 1	1 0 0 0 2 1 0 0	0 1 0 0 0 2 1 0 0 1	0 1 0 7 1 0 0 0	1 1 0 0 1	1 1 0 - 1 4 1 0 0 0	1 1 1 1 5 1 0 1	1 1 1 1 5 1 0 1 1	1 1 2 2 1 0 1 1	1 1 0 2 2 1 0 1 1	1 1 2 0 2 3 1 1 1	2 1 1 2 2 2 1 1 1	2 1 1 2 2 2 1 1 1	3 1 1 1 2 2 1 1 1 1	2 1 1 2 2 1 1 1 1	2 1 1 2 2 2 1 1 1 0	2 0 0 3 2 2 1 0 0	1 1 2 2 1 1 0 0	0 1 1 1 1 1 0 4	1 1 2 1 1 0 0	0 0 1 1 0 0 0	1 1 1 2 1 0 0 1
21 22 23 24 25 26 27 28 29 30	0 3 1 2 2 2 3 1 0 2	0 3 0 2 2 1 4 1 0 2	3 0 1 2 1 5 1 0 2	0 1 0 1 1 5 1 0 0	2000	1 5 1 0	1 0 1 ••••• 2 4	0 0 0 1 1 5 0	0 1 0 2 2 2 4 1 0 1	1 1 2 2 1 2 3 1 0 1	1 1 3 2 2 2 2 1 2 2 2	1 1 3 0 2 2 2 2 1 3 3	1 4 2 2 3 1 3 5	2 6 2 2 2 3 5	1 2 8 2 2 3 1	2 6 2 2 1 1 4	1 2 3 4 2 3 2 3 2 3	1 2 2 4 3 3 3 2 2 2 2	2 1 2 3 3 3 3 2 2 3	1 2 2 2 2 3 1 2	1 1 2 2 5 5 1 3	2 1 1 2 2 3 2 8 1 2	2012232012	3 0 1 2 2 2 1 0 2 2	1 1 2 2 2 3 2 1 2
MEAN	1	1	1	1		1	1	1	1.	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1.6

PERCENTAGE OF DATA VALID - 96.5 PERCENTAGE OF DATA INVALID - 2.1

PERCENTAGE OF DATA UNAVAILABLE - 1.4

- 2. "-" INDICATES DATA IS UNAVAILABLE
 - 3. ******* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNITS - 0.01 PARTS/MILLION

	PUI	LLUIANI		SULPH	UN DIG	VIDE							,	2.00	50.15	2.7	1.1.27.01	LLLLO							
	STA	ATION -	wc	NO	27027	F	\$ 309	BEAT	RICE	ST WE	LLAN	D				MON	гн - ,	JUL	77						
HOUR	1	2	3	4	5	6	7	8	9	10	:11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1 2 3 4 5 6 7 8 9	2 1 0 3 2 1 0 1 1 0	1 1 2 2 2 1 0 0 1 1 1	1 1 2 2 1 0 1 1	1 0 2 2 1 *****	1 2 0 2 1 1 1 1 0 0	1 2 0 1 1 1 0 0 1 0	1 1 2 2 1 1 0 0	1 1 1 1 1 1 1 1 0 1 0 0	1 1 2 1 1 1 0 0 1 1	1 1 2 1 1 1 0 1 1 2 2	1 2 3 1 1 1 0 1 1 2	1 2 2 1 1 1 0 1 1 2	2 2 3 2 1 **** 1 1 2 2	2 2 2 1 1 1 2 2	2 1 3 2 2 1 1 2 2	2 1 5 2 2 2 1 2 2 2	2 1 5 2 2 5 1 2 2 2	2 2 2 1 1 2 2 2	2 2 2 1 1 2 2 1	2 1 3 2 2 1 1 2 2 1	2 2 1 0 2 1 1	2 1 2 2 1 0 2 1	2 0 2 2 2 1 0 2 1 1	2 0 2 2 0 1 2 1 1	2 1 2 2 1 0 1 1 1
11 12 13 14 15 16 17 18 19	1 2 2 1 1 2 2 1 2 0	1 2 2 1 1 2 2 1 2 2 1 2	0 2 2 1 1 2 2 1 2 0	1 2 2 0 1 2 2 1 2	0 2 2 0 1 2 2 1 2	0 2 2 0 1 2 2 1 2 0	1 2 2 0 1 2 2 1 2	1 2 2 1 2 1 2 1 1 2	1 0 2 1 2 2 2 5 0	1 1 2 2 3 2 1 0 0	2 2 2 3 2 2 1 0	2 2 2 4 2 2	2 2 3 6 2 2 0 1	2 2 3 6 2 2 2 1	2 2 2 4 3 2 2 1 0	3 2 3 3 2 2 0 0	2 2 3 3 3 2 2 0 0	2 2 2 2 2 2 0 0	2 3 4 3 4 3 2 3 0 0	2 2 3 2 3 2 3 0 0	2 2 2 2 3 3 2 0 0	2 2 2 2 1 2 0 1	2 2 2 2 1 2 0 1	2212221200	2 2 2 3 2 2 2 1 0
21 22 23 24 25 26 27 28 29 30	0 0 1 1 3 0 0 0 1 1	0 0 1 1 2 1 0 0 2 1	0 0 1 1 2 1 0 0 2	0 0 1 1 2 1 0 0 2	0 0 1 1 2 0 0 0 0	0 0 0 1 2 0 0 0 2 0	0 0 0 1 1 0 0 1 0 0	0 0 1 1 0 0 1 2 0	0 0 1 2 0 0 0 1 1 0	0 0 1 2 0 0 0 1 1	0 0 1 3 1 0 0 1 1 0	1 1 4 1 0 0 1 1 0	0 1 2 3 1 0 1 2 2 1	0 1 2 3 2 0 1 1 3	0 1 2 3 2 0 0 2 2	1 1 2 1 0 1 - 2 1	1 1 2 1 0 0 - 2 1	2 1 3 1 0 0 - 1 1	2 3 2 1 0 0	3 1 2 2 1 1 2 1 1	3 1 1 2 1 0 2 1 1	2 2 0 0 2 1 0	0 1 1 2 1 0 0 1 1 0	0 1 1 2 1 0 0 1 1 0 0	1 1 2 1 0 0 1 2
31 MEAN	1	1	0	1	0	0	1	0	1	1	1	1	2	2	2	2	3	2	1 2	1 2	1	1	1	1	1.3

PERCENTAGE OF DATA VALID - 97.2 PERCENTAGE OF DATA INVALID - 1.3 PERCENTAGE OF DATA UNAVAILABLE - 1.5

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- *- * INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

UNITS - 0.01 PARTS/MILLION POLLUTANT - SULPHUR DIOXIDE STATION - WC NO 27027 PS 309 BEATRICE ST WELLAND MONTH - AUG 77 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 MEAN HOUR DAY 0 0452 022 23456789 0 0 0 0 00000 00001 0000 0 0 1 0 0 0 0 10 0 . 0 11 12 13 14 15 16 17 18 19 20 000 000010 0000 00 1 0 2 2 2 2 0 6 20 0 Ö ò 0 0 0 0 0 0 0 21 22 23 24 25 26 27 28 0 0 2 0 1 0 0 2 0 1 0000 3 0 0 3 0 0 0 0 31 0 0 0 0 0 0 0 0 1 1 0 0

PERCENTAGE OF DATA VALID - 98.7

PERCENTAGE OF DATA INVALID - 1.2

PERCENTAGE OF DATA UNAVAILABLE - 0.1

- *-* INDICATES DATA IS UNAVAILABLE 2.
- 3. ****** INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNITS - 0.01 PARTS/MILLION

	STA	ION -	WC	NO 2	7027	P.	309	BEAT	RICE	ST W	LLAN	D				MON	TH - 5	SEP	77						
HOUR DAY	1	2	3	4	5	6	7	8	9	10	1,3	12	13	14	15	16	17	18	19	20	21	22	23	24 MI	AN
1	0	0	0		0	0	0	0	0	1	1	2	2	1	1	1	2		2	4	1	1	0	0	1
2			Ö	ó	Ö	ő	õ	õ	ō		Ó	0	ō	0	o	1	0	0	0	1	0	0	0	0	0
3	000	0 0 0	o	ŏ	ŏ	ŏ	0	0	õ	0	ō	ō	0	1	1	1	150	1	1	1	1	0	0	0	0
4	ŏ	õ	ŏ	õ	õ	ŏ	ŏ	ŏ	Ď	0	1	1	1	2	1	1	1	1	1	1	1	0	0	0	1
5	ŏ	ñ	o	0	0	ŏ	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0		0	0	0
6	ŏ	ñ	o	ŏ	o	o	ā	o	o	0	0	0	0	2	2	2	2	2	1	1	1	1	1	0	
7	ŏ	ŏ	ŏ	o	ō	ŏ	1	1	2	2	2	1	4	3	2	2	1	11	2	1	2	2	1	1	1
Ŕ	ŏ	ŏ	ŏ	0	o	0	0	0	1	1	2	5	1	1	1	1	2	1	1	1	1	1	0	1	1
š	ĭ	ĭ	2	1	1	ī	0	2	2	1	3	3	3	1	1	1		2	2	1	1	3	1	1	0
10	i	ò	ō	o	1	0	1	0	1	0	0	0	0	0	0	1	1	0	0	1	0	,	1	0	0
0.0	2.		-	_	_	_	•	0		0	0	0	0	0	0	0	4	5	1	0	0	0	1	2	0
11	0	0	0	0	0		0	3	0	4	4	4	4	4	3	3	ż	4	á	4	4			4	3
12	2	1	0	0			1	0	3	ő	ō	1	0	- 7	1	ő	î	7	- 7	1	1	0	0	0	1
13	5	4	-50	0	3	3	ò	ŏ	ŏ	ő	ő	ò	ŏ	ċ	ò	ő			ò	o	0	0	0	٥	0
14	0		0		Ö	0		ŏ	ĭ	3	ĭ	ñ	1	ŏ	ĭ	ĩ	1	0	ŏ	2	5	1	0	0	1
15 16	0	0					0	Ö	ò	ő		ő	o	0	ò	ò		0	0	0	ō	1	0	0	0
16	0	0	2	0	0	0	0	ŏ	Ö	ŏ	0			ŏ	ő	ŏ	0	0	ō	ō	ō	0	0	0	0
17	0	ŏ	0	ö	ŏ	ő	ŏ	ő	1	ŏ	õ	0	0	0	ŏ	ō	0	0	1	o	0	0	0	0	0
1 B 1 9	0	0	0	ö	ő	Ö	ŏ	•	ò	1	ĭ	1		3	2	2	0	0	0	0	0	0	0	0	0
20	ŏ	ŏ	0	ŏ	o	Ö	ŏ	ó	ĭ	2	2	2	2	1	ō	0	0	0	0	0	0	1	0	2	1
20	U	U	U		0	U			'	-	_	_	-		-		100					1525		_	141
21	3	3	3	3	3	0	0	0	1	2	2	3 0 4	3	2	0	0	0	0	0	0	0	0	0	0	1
21	3	ō	ō	0	0	0	0	0	0	3	0	0	0	1	3	3	3	3	3	3	2	3	2	3	3
23	3	3	3	3	3	3	0 2 3 0 3	3	4	3	3		3	3	3	3		3	3 3 2		3	3	3	3	3
23 24	3	3	3	3	3	3	3	3	3	3	5	4	3	3	3	3	2	2		2	2	4	3	2	3
25	3	3	3	3	3	3	3	3	3	3	3	3	2	0	1	1	•	1	2		2	3	4	4	
26	1	1	1	0	2	1	0	0	1	0	1	1	1	1	1	1	- 1	1		****	4	•	o.	ō	2
27	4	3	3	4	4	3	3	3	**		3	4	4	4	1	1	1	2	1	0	0	ŏ	ő	ŏ	ō
27 28 29	0	3 0 0	3 0 0	0	1	1	0	0	0	1	1	1	1	0	0	- 1	0	0	2	0	0	0	ő	ő	,
29	1	0			0	٥	0	0	0	0	1	1	1	1	3	3	5	3	1	1	0	ő	ŏ	ŏ	ò
30	0	0	0	0	0	1	1	1	1	0	1	1	- 1	1	3	1	1	0	0	0	0	U			-
MEAN	4	1	•	1	1	1	1	1	1	1	1	1	1	1	1	1	t	1	1	1	1	1	1	1	1.0

PERCENTAGE OF DATA VALID - 97.8 PERCENTAGE OF DATA INVALID - 1.5

PERCENTAGE OF DATA UNAVAILABLE - 0.7

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEJS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POLI	UTANT	- SI	JLPH	UR DIO	XIDE							L	NITS	- 0.0	1 PAR	RTS/MI	LLION							
	STAT	10N -	WC	NO	27027	PS	309	BEAT	RICE	ST WE	LLAND					MONT	н - с	CT	77						
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 M	AN
1 2 3 4 5 6 7 8	0 0 0 1 2 2 0 1 3 2	0 0 0 2 2 2 0 1 3 2	0 0 4 1 2 1 1 3 3	0 0 0 3 1 1 0 2 2 2	0 0 0 2 1 1 0 1 2 2 1	1 0 0 2 1 2 0 0 2	0 0 0 3 2 2 0 4 2 2	0001120022	0002111423	0 0 0 2 1 1 1 4 2 2	0 0 2 1 0 2 1 7 2 2	0 0 1 1 3 2 3	0 0 1 1 0 1 1 3 3 3	0 0 1 1 1 2 1 3 3 3 3	0 0 1 1 1 1 2 3 2 3	0 0 0 2 2 0 1 3 1 2	0 0 1 1 1 2 3 2 2	0 0 1 1 1 1 3 2 3	0 0 1 1 1 2 2 3 2 2	0 0 1 1 1 0 3 2 1	0 0 2 1 3 0	0 0 2 1 2 0 3 3 2 1	0 0 2 1 3 0 1 3 2 0	0 0 2 1 1 0 1 4 2 1	0 0 1 2 1 1 1 3 2 2 2
11 12 13 14 15 16 17 18 19	1 1 2 0 2 1 0 1 2	2 1 1 0 3 1 0 1 2	2 1 3 0 3 1 1 1 1 1 1	3 1 2 0 1 1 0 2 0 1	1 1 1 0 2 1 0 2 0	1 1 0 2 1 0 2 0	0 2 1 1 2 0 0 2 0 1	3 2 0 1 1 1 1 2 0 1	3 0 1 1 0 3 0 0	0 4 1 1 2 1 1 3 1 1	2 4 1 0 3 1 1 3 1 3	4 3 1 2 1 2 2 1	4 3 1 0 2 1 2 3 2 3	2 1 0 3 1 2 3 5	3 4 1 3 1 2 2 2 6	3 2 1 1 3 0 4 2 1	4 5 1 3 0 2 2 1 4	3 6 1 1 2 0 2 1	2 4 1 1 2 1 3 1 1 3	3 3 1 1 2 0 3 2 1 2	4 3 1 2 0 4 10 0 5	5 3 1 1 2 1 3 2 0 5	2 1 1 2 0 1 0 1	1 2 1 2 2 0 1 1 1 2	2 3 1 1 2 1 1 2 1 2
21 22 23 24 25 26 27 28 29	2 2 0 1 2 1 0 1 0 1	3 2 0 1 1 1 0 1	4 2 0 0 1 1 0 0 0	4 2 0 0 3 2 0 1 0 2	2 2 0 0 2 2 0 1 0 1	2 2 1 0 2 2 0 1 1 0	4 2 0 0 1 1 0 0 1	4 1 0 0 1 1 0 0 0	3 1 2 3 0 1 0	5 1 0 2 3 1 0 1 0	4 1 0 4 5 2 0 1 0	3 0 0 4 4 3 1 1 1 1 1	3 1 0 4 4 1 2 1 1 1	5 1 0 4 4 3 2 1 1	4 1 0 6 3 4 3	6 0 7 3 6 2 1 1 2	7 1 0 5 3 6 2 1	7 0 4 3 5 2 1 0	3 0 0 2 3 2 2 0 1	1 0 1 1 2 2 5 0 0 1	1 0 0 1 2 1 6 0 0 4	1 0 2 1 3 0 4 0 1 4	1 0 3 1 2 0 2 0 1 3	2 1 2 0 1 0 0 0	3 1 0 2 3 2 1 1
31 MEAN	0	1	1	1	1	1	1	1	3	2 1	2	4 2	4	5 2	5 2	4 2	1 2	6 2	3 2	3	2	1	1	1	2 1.5

PERCENTAGE OF DATA VALID - 99.3 PERCENTAGE OF DATA INVALID - 0.5

PERCENTAGE OF DATA UNAVAILABLE - 0.1

- 2. .. INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - SULPHUR DIOXIDE UNITS - 0.01 PARTS/MILLION

	STA	TION -	WC	NO 3	27027	P	S 30	9 BEAT	RICE	ST WE	LLAND	i				MONT	H - 1	VOV	77						
HOUR	1	2	3	4	5	6	7	В	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1 2 3 4 5 6 7 8 9	1 0 0 0 0 0 0 0 0 1	1 5 0 0 1 0 0 0 0 2	2 1 0 0 0 1 0 0 0 1	0 0 0 0 0 0 2	1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 0 1 0 0 0 0 0 0 2	1 0 0 0 0 0 0 0 0 0 0 0 0	N00000000	200000000000000000000000000000000000000	1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 1 0 0 0 0 0 1 2 3	1 1 0 0 0 0 1 2 3	3 1 0 0 0 0 1 2	1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	3 1 0 0 0 0 0 0 0 0 0 0	3 9 1 0 1 0 0 0 - 2	2 6 0 0 1 0 0 0 1 2	1 1 0 1 0 0 0 1 2	1 2 0 0 0 0 0 1 2	0 1 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 1 0 0 0 0 1 1	1 2 1 0 0 0 0 0
11 12 13 14 15 16 17 18 19	1 1 2 3 1 0 0 0 0	1 1 2 3 1 0 0	2 1 2 3 2 1 2 0 0	2 1 1 2 2 2 0 1 0	1 1 3 2 1 0 1 0 1	1 1 1 1 1 2 0 1	1 1 2 0 1 1 1 0 2	1 1 1 0 1 0 2	1 1 4 1 0 2 1 0	4 1 2 4 1 2 2 1 0	3 1 1 2 6 + 1 1 2 1 1	3 1 2 2	4 1 1 1 3 0 1 2 0	4 1 1 0 1 2 2 0 1	3 1 2 1 3 3 0	3 1 1 2 1 0 4 4 0 0	3 1 1 0 0 2 4 0	3 1 1 1 0 2 3 1 2	3 0 1 2 1 0 1 4 1 1	3 0 1 1 1 0 1 4 0 1	3 1 1 1 0 2 2 0 2	3 0 3 0 1 4 3 0 1	2 1 2 1 1 0 1 2 0 1	1 1 2 2 1 1 1 0 0 2	2 1 1 2 2 1 1 2 0
21 22 23 24 25 26 27 28 29	2 2 0 1 1 0 1 0 2 1	2 1 2 1 0 1 1 2 -	2 2 3 1 1 0 0 1 2 2	2 1 2 0 3 1 2	2 2 1 2 1 2 0 3 1 3	1 2 2 1 1 1 2 1 3	1 2 2 5 2 1 0 5 1 5	0 1 2 2 2 2 0 0 3	04223003	0 3 0 3 1 2 0 3 2 3	1 3 0 4 2 0 1 7 3	2 1 0 1 2 0 0 4 3 3	4 0 5 2 1 1 4 2 3	4 0 1 9 3 1 1 3 5	6 0 2 9 2 1 1 4 2 1	4 0 1 3 1 0 0 4 2	5 0 1 7 2 0 1 3 2	5 0 0 6 1 0 1 7 2 1	6006200720	5 0 0 4 2 0 1 6 1 0	2 0 1 4 1 1 0 3 1 1	4 0 2 3 2 1 0 2 1 1	7 0 7 3 2 0 0 2 1	2 0 2 2 1 0 1 2 1 0	3 1 1 4 2 1 0 3 2 2
MEAN	1	1	3.	1	1	1	1	1	1.	1	2	1	1	2	2	1	1	1	2	4	1	1	1	1	1.3

PERCENTAGE OF DATA VALID - 97.9 PERCENTAGE OF DATA INVALID - 0.7

PERCENTAGE OF DATA UNAVAILABLE - 1.4

NOTES 1. "****" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POL	LUTANT	- 5	ULPH	UR DIOX	IDE							U	NITS	- 0.0	1 PAF	RTS/MI	LLION	4						
	STA	TION -	WC	NO	27027		PS 309	BEAT	RICE	ST WE	LLAND	É				MONT	гн - р	EC	77						
HOUR	1	2	3	4	5	6	7	8	9	10	1.1	12	13	14	15	16	17	18	.19	20	21	22	23	24 1	MEAN
1 2 3 4 5 6 7 8 9	0 1 1 1 1 1 0 2 2 2 2	1 1 2 1 0 0 0 2 1 2	0 2 1 2 1 0 1 3 1 2	0 2 1 2 1 0 1 3 2 2	1 2 1 2 1 1 1 1 3 1 2	3 2 1 1 0 2 1 6 2	1 3 1 1 0 2 2 13 2	1 4 1 2 1 0 2 1 7	1 6 1 1 0 2 6 6	1 6 1 1 0 0 3 13	1 7 1 1 0 2 3 15	1 9 1 1 1 2 3 10	2 7 1 1 0 1 2 3 12 1	5 1 1 1 0 - 3 8 1	3 9 1 1 1 0 2 3 9	3 8 1 0 1 3 8 1	3 6 1 3 0 0 2 3 8	3 6 1 3 0 1 3 3 7	3502004151	3 3 1 1 0 0 5 1 8 1	3 5 1 0 0 4 1 4 2	3 4 1 0 0 3 1 6 2	2 2 1 0 1 0 3 1 3 2	1 1 1 1 0 2 16 3	2 4 1 1 0 2 3 7
11 12 13 14 15 16 17 18 19 20	3 1 3 2 1 1 2 1 1	1 2 1 1 1 2 1 0 0	1 1 2 1 1 0 2 1 0 0	1 2 2 1 1 1 0 0	1 1 2 2 1 2 2 0 0	2 2 2 1 0 1 1 0 0	2 2 2 1 2 0 1 1 0 0	3 4 2 1 2 0 2 1 0 0	1 5 2 1 3 0 1 1 0	1 5 2 1 4 1 2 0 0	1 4 2 0 5 0 2 1 0 0	1 3 1 1 5 1 2 1 0	2521332101	1 4 1 1 5 3 1 0 0 1	1 3 2 1 6 4 1 1	1 3 2 1 4 6 1 - 0 1	1 3 2 1 3 3 1	2 4 2 0 2 2 1 1 0 0	3 3 3 0 2 3 1 2 1 0	2 4 2 1 2 1 1 1 1 1 1 1	3 2 3 1 1 2 3 1 1	1 3 3 1 2 1 2 5 0 1	0 6 3 1 1 2 1 1 1 1 1 1	1 3 3 2 1 2 1 0 0	2 3 2 1 2 2 1 1 0 0
21 22 23 24 25 26 27 28 29 30	1 1 0 2 4 1 1 2 3	1 0 0 2 5 1 1 1 3 2	1 1 2 1 1 1 2 1	0 1 1 1 1 1 1 3 3 3 1	0 0 0 2 1 1 1 1 2 2 2 2	1 0 0 0 1 1 1 1 1 1 3	1 0 0 3 1 1 1 1 2 4	1 1 2 1 1 1 1 2 5	1 3 1 1 1 1 0 1 3	1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 2 0 3 1 1 1 1 1 3	1 3 1 4 1 1 1 0 2 3	2 2 0 3 2 1 1 0 2 4	1 4 0 3 2 1 1 0 2 3	1 2 1 3 1 1 1 0 2 2	1 1 4 5 1 1 1 2 2	1 2 6 10 1 3 1 1 2 2	1 0 6 9 2 4 1 1 3 2	2 1 7 11 2 3 1 4 2	1059210122	1 0 6 15 2 1 1 3 2	1 0 6 5 1 1 0 2 3 2	1 0 4 2 1 1 1 2 2 3	0 0 2 1 1 1 1 2 1 3	1 2 5 2 1 1 1 2 3
31 MEAN	3	2	2	2	2	2	2	2	2	1 2	1 2	2	2	3	3	2	2	1 2	1 2	1 2	1 2	3	2	2	1.9
C11-00-00-0	100							-	-	-	-	-		-	-	-			_	_	_	-			

PERCENTAGE OF DATA VALID - 99.2 PERCENTAGE OF DATA INVALID - 0.1 PERCENTAGE OF DATA UNAVAILABLE - 0.7

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. "***** INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1977

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1977

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION -	NO 27027 PS 309 BEAT	RICE ST WELLAND		
MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	3.8	8	16
FEB	28	2.7	5	10
MAR	31	2.2	4	14
APR	30	2.0	4	8
MAY	31	1.9	4	10
JUN	30	1.6	4	В
JUL	31	1.3	3	6
AUG	31	0.9	2	7
SEP	30	1.0	3	7
ост	31	1.5	3	10
NOV	30	1.3	4	9
DEC	31	1.9	7	19
YEAR	365	1.8	8	19

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

				9000																		
PO	LLUTANT	· SULP	HUR D	10x1	DE									UNI	TS ·	0.01	PARTS	MILL	ION			
s	TATION -	WC N	0 270	27	PS	309	BEA	RIC	E ST	WELL	AND											
	MONT	H 00 T	0 04	05	TO 10	13	TO .	14	15 TC	25	26	то	39	40	&OVER	1	TOTAL					
	MAL		506		222			4		1			0		c)	73	3				
	FEB		552		104	l.		0		0			0		C)	65	5				
	MAR		684		46	i		3		0			0		c)	73	3				
	APR		659		43	ĺ		0		0			0		c)	70:	2				
	MAY		674		55	i		0		0			٥		c)	72	9				
	JUN		658		37	r.		0		0			0		c	•	69	5				
	JUL		717			5		0		0			0		c	•	72	3				
	AUG		727		7	,		0		0			0		c)	73	4				
	SEP		697		7	,		0		0			0)	70	4				
	ост		713		26	3		0		0			0)	73	9				
	NOV		679		26	5		0		0			0			0	70	5				
	DEC		682		46	3		4		4			0		(0	73	В				
	YEAR		7948		62	,		11		5			0		(0	859	t				
•	FREQUENCY	PERCE		ION	BY PE	RCENT	ILES					CON	CEN	TRAT	IONS							
		OF DA	ATA									Y DI	STR	IBUT	ION.							ARITH
		VALI	D	WI	N	1	0	3	0	50	0	7	0		90	9	5	98	9	99	MAX	MEAN
		98	3. 1	0		٥.	0	0.	3	0.5	9	1.	8	3	1.6	4.	8	6.3	7.	. 4	19	1.8

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

	PUL	LUTANT	. 5	ULPMU	e nin	LIUE								011111			15.1.27.11	11 5 5 1 0	100						
	STA	TION -	wc	NO 2	7037	N	ORTH/G	ENEVA	ST	REET,	ST.	CATH	ARINE	S		MON	TH -	MAL	77						
HOUR DAY	1	2	3	4	5	6	7	В	9	10	1.1	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1 2 3 4 5 6 7 8 9	1 3 4 1 6 3 0 4	1 1 2 4 1 5 3 1 3	1 1 4 1 3 4 1 3 1	1 1 1 4 1 7 3 1 1	1 0 1 4 1 6 2 1 2	1 1 3 1 1 2 2 2 2 2	1 1 2 2 1 1 2 3 2 2	1 1 3 2 2 1 3 3 2 2 2	2 1 4 1 2 1 3 2 1 2	1 4 1 2 1 2 2 1 2	1 1 2 2 1 1 1 2	1 1 4 1 1 2 1 2 1 2	1 1 4 1 2 2 1 2 1 2	1 1 4 1 2 **** 0 2 1 3	1 2 5 1 5 4 0 2 1 2	1 3 4 1 7 8 0 2 1 2	1 3 4 1 7 1 1 1	1 3 4 1 5 0 2 1	1 1 4 1 1 3 0 2 1 1	1 1 3 2 1 2 1 1	1 1 7 3 1 3 2 1	1 1 3 1 8 4 1 4 2	1 1 3 1 8 3 1 3 2	1 4 1 7 3 1 3 2	1 1 3 2 3 3 2 2 2 2 2 2
11 12 13 14 15 16 17 18 19	1 1 3 3 3	1 1 4 4 4	1 1 5 4	1 2 1 6 3	1 3 1 7 2	0 2 1 7 2	1 3 1 6 1	1 3 2 6 3	1 3 2 5 4	5	1 3 **** 5 ****	- DA - DA	3 4 4 DATA DATA TA UN		LID - LABLE LABLE		1 1 2 4 ****	1 1 2 3 ****	1 1 2 4 ****	1 1 3 5	1 1 3 4	2 1 4 4 	2 1 3 3	2 1 3 3	1 2 2 5 5
21 22 23 24 25 26 27 28 29	5 2 0 3 5 1 1 2 2 1	4 2 0 4 5 1 1 2 2 1	5 2 0 6 4 1 1 2 3 1	5 1 0 7 4 1 1 2 1	5 2 0 7 4 1 1 2 1	4 3 0 6 4 1 1 3 2	4 2 0 5 4 0 1 4	4 0 5 1 1 3	4 3 0 5 4 1 1 5 1	4 1 0 5 4 1 1	4 2 1 4 3 1 1 4 1	4 3 1 1 3 1 1	3 1 2 4 2 1 1 1	3 1 5 2 2 1 1 1	1 5 5 2 1 1 2 1 1	2 1 4 5 2 2 1 1 1 1 1	1 1 3 5 1 1 1 1 1 1 1	1 1 2 5 1 1 1 1 2 1	1 2 3 6 1 1 1 1 3 1	1 2 4 6 1 2 5 0 2 1	1 2 3 6 1 1 3 0	3 2 3 5 1 2 2 1 1	2 2 2 5 1 2 2 1 1 0	5 1 2 5 1 2 2 1 1	3 2 2 5 3 1 1 2
31 MEAN	1	2	1	2	2	2	2	2	2	1	2	2	1	2	1	3	2	1	1	2	2	3	2	2	2.2

PERCENTAGE OF DATA VALID - 82.3 PERCENTAGE OF DATA INVALID - 7.9

PERCENTAGE OF DATA UNAVAILABLE - 9.8

NOTES 1. "****" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. "***** INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

POLLUTANT - SULPHUR DIOXIDE UNITS - 0.01 PARTS/MILLION STATION - WC NO 27037 NORTH/GENEVA STREET, ST. CATHARINES MONTH - FEB 9 10 11 HOUR 8 12 13 14 16 17 18 22 23 24 MEAN 6 15 19 20 21 DAY 0 0 0 2 0 2 0 1 0 0 0 234567 0 030300 0 0 0 3 0 0 0 2 0 ō 2 0 2 0 0 001 00 0 0 0 0 004 0 5 4 2 643 4 10 2 2 2 4 11 12 13 14 15 16 17 18 19 20 3 2 2 3 2 0 Ö DATA UNAVAILABLE -DATA UNAVAILABLE DATA UNAVAILABLE DATA UNAVAILABLE DATA UNAVAILABLE DATA UNAVAILABLE - DATA UNAVAILABLE -- DATA UNAVAILABLE -- DATA UNAVAILABLE -21 22 23 24 25 26 27 DATA UNAVAILABLE DATA UNAVAILABLE DATA UNAVAILABLE DATA UNAVAILABLE DATA UNAVAILABLE - DATA UNAVAILABLE -28 MEAN 2 1

PERCENTAGE OF DATA VALID - 48.4

PERCENTAGE OF DATA INVALID - 0.6

PERCENTAGE OF DATA UNAVAILABLE - 51.0

- "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNITS - 0.01 PARTS/MILLION

												2.20													
	SIA	ION -	¥	NO :	27037		NORTH	/GEN	EVA S	HEE!	51.	CATH	ARINES	•		MON	TH - 1	WAR	77						
DAY	1	2	د	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1 2 3 4 5 6 7 8 9	0 0 0 0 1 0	0 0 0 0 0 2 0	0 0 0 0 2 1	0 0 2 1	000021	1 0 0 1 2 1	1 0 0 1 2 1	0 0 0 1 2 2	0000122	0 0 2 1	0 0 1 3 1 2	- DA	TA UNA TA UNA TA UNA O O 1 2	VALLA	BLE .		1 1 0 1 1 0	0 0 0 1 1 1 1 1	0 0 0 1 1 2 2	0 0 0 1 1 1 2	0 0 0 1 1 0 1	0 0 1 1 0 1	0 0 1 1 0 2	1 0 0 1 2 0 2	0 0 1 1 1
11 12 13 14 15 16 17 18 19	200000000000000000000000000000000000000	2 0 0 0 0 0 0 0 0	0 0 0 0 0 1 1 1 3	2 1 0 0 0 0 0 0 0 0 7	0 0 0 0 0 0 0 5	0 0 0 0 0 0 0 5	2 0 0 0 1 0	3 0 0 1 1 0 	3 1 0 1 5 0	2 1 0 1 1 0 0 1 3	2 1 0 1 0 0	2001100021	1 1 0 0 1 0 1 0 1 2	1 1 0 0 1 0 1 0 8 2	1 1 0 0 1 0 1 0 2 1	1 0 0 1 1 0 1 0	1 0 0 1 0 1 1	1 1 0 0 1 0 0 0 0 1	0 0 0 0 0 0 1 1	0 1 0 0 0 1 1	1 1 0 0 2 0 1 0 1 1	1 0 0 1 0 1 1	1 0 0 0 0 1 0 1 1	0 0 0 0 0 1 0 2 1	0 0 1 2
21 22 23 24 25 26 27 28 29	1 1 3 0 5 3 1 1 1 0	1 0 1 0 4 2 2 2 1 0	1 0 2 0 3 3 3 3 1 0	1 0 1 0 2 3 3 3 1 1	1 1 0 4 3 4 4 1 1	1 0 2 0 5 2 4 3 1 0	1031235221	1 0 3 1 1 1 5 1 2 2	2 0 1 1 3 1 4 1 1 1 1	2 0 2 1 3 2 3 2 1 2	2060723111	2 0 4 0 3 3 3 1 1	2 1 6 0 2 3 3 2 1	2 0 1 0 1 3 2 2 1 1	2 0 1 3 2 2 2 1	2 1 1 2 1 1 1 1 1	2 1 2 1 1 1 1	1 1 1 1 0 0	2 1 0 1 1 1 1 0	2001221200	1002421101	100211200	1 1 0 2 6 2 1 2 0 0	1 2 0 5 9 1 1 0 0	2 0 2 1 4 2 2 2 1 1
31 MEAN	1	0	0	1	0	1	0	1	0	1	0	0	0	1	0	1	0	0	0	0	0	0	0	0	1.0

PERCENTAGE OF DATA VALID - 86.7 PERCENTAGE OF DATA INVALID - 1.9

PERCENTAGE OF DATA UNAVAILABLE - 11.4

NOTES 1. ****** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. *-* INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POLL	UTANT	٠ 5	ULPHI	UR DIO	XIDE								JNITS	- 0.0	1 PAR	RTS/MI	LLION	•						
	STAT	ION -	wC	NO :	27037		NORTH/	GENEVA	STR	EET.	ST.	CATHA	RINES	5		MONT	гн - д	PR	77						
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 ME	AN
1 2 3 4 5 6 7 8 9	0100000010	010000000	010000000	0000000000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 0 0 0 0 0 0 0 1 0 1	0 0 0 0 1 0 0 1	1 0 0 0 0 0 0 0 0 1	1000000101	0 0 0 0 1 1 0 2	0 0 0 0 0 1 0 0 1	0 0 0 0 0 1	0001000100	0000	0 0 1 0 0 0	0000000000	0000000000	1000000000	1000000000	000000000	0001000001	00000000	00000002	0 0 0 1 0 1	0 0 0 0 0 0 1
11 12 13 14 15 16 17 18 19	1 0 0 1 0 2 0 1 2 1	1 0 0 1 0 2 0 1 2 1	1 0 0 1 0 2 0 1 2 1	0 0 0 0 1 0 1 1 1	000000000000000000000000000000000000000	0 0 0 1 1 1 1 1 1	1 0 0 0 1 1 1 1 1 1 2	1 0 0 1 1 1 0 1 2 1	0 0 0 0 1 1 1 1 2 2	0000	0 0 0 0 1 0 1 2	0 0 0 4 0 1 0 1 1 2	0 0 0 7 1 0 0 1 2 2	0 0 0 0 0 1 0 1 0 1 1 1 1 1 1 1 1 1 1 1	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 1 0 1 1 3	0 0 0 2 0 1 0 1 3	0 0 0 1 2 1 0 1 1 3	0 0 0 0 2 1 0 1 1 1	000020011	0 0 0 3 0 1 1 1 1	0 0 0 3 0 2 1 1 1	0 0 0 2 0 0 2 1 1	0 0 0 2 0 0 2 1 1	0 0 1 1 1 0 1 1 2
21 22 23 24 25 26 27 28 29 30	1 1 0 0 0 0 0 1 2 0	1 0 0 0 0 0 1 1 0	1 0 0 0 0 0 1 1 1	1 0 0 0 1 0 0	2 1 0 0 0 0 1 0 0 1 1 1	2 1 0 0 0 1 1 0 1 2	2 1 0 0 0 1 1 2 1 3	2 2 0 0 0 3 1 2 1 2	2	0 0 0 1 2	0 0 0 1 1 1 0 1	1 0 1	0 0 0 1 1 0 0	0 0 0 0 1 2 0 0	2 1 0 0 0 0 0 1 2 0	2 1 0 0 0 0 1 1 0 0 0	2 1 0 0 0 0 1 0 0 0	2 1 0 0 0 0 0 0 0 0 0	2 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	000000000000000000000000000000000000000	000000000000000000000000000000000000000	2 1 0 0 0 1 0 3 0 0	2 1 0 0 0 1 0 4 0 0	1 1 0 0 0 0 3 0 0	2 1 0 0 0 1 1 1 0 1
MEAN	1	0	0	0	0	-1	1	1	1	1	0	1	1	0	0	0	0	0	0	0	0	1	1	0	0.5

PERCENTAGE OF DATA VALID - 98.9 PERCENTAGE OF DATA INVALID - 1.0

PERCENTAGE OF DATA UNAVAILABLE - 0.1

- -- INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNITS - 0.01 PARTS/MILLION

	STAT	ION	w C	NO	27037		NORTH/	GENE	VA 51	REET.	ST.	CATH	ARINES			MONT	гн - ,	JUN	77						
HOUR DAY	1	2	3	4	5	6	7	В	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1 2 3 4 5 6 7 8 9	0 1 0 0 0 0 0 0 1	0 0 0 0 0 1 0 0 1	0 0 0 0 1	0 0 0 0 1 0 0 0 1	0 0 0 0 0 1 0 0 0 1	0 0 0 0 1 0 0 0 1	0 0 1 0 0 1	0 0 1 2 0 0 1 1 0 1	1 0 2 2 2 0 0 1 1	0 2 1 0 0 0	0 0 0	0 0 0 2 0 0 1 0 0 0	0 1 3 0 0 0 0 0 0	1 1 1 0 0 1 0 0	1 1 1 0 0 1 1 0 0	0 1 2 0 1 0 0 0	1 1 1 0 0 0 1 0 0	1 1 1 0 1 0 0 0	2 1 1 1 0 0 0 1 0 0 0	3 1 0 0 0 0 0 0 0 0 0	000000000	1 1 0 0 0 0 0 0 1 0 1	1 0 0 0 1 0 1 0 0	1 0 0 0 1 0 0 1 0	1 0 1 1 0 0 0
11 12 13 14 15 16 17 18 19	1 0 0 0 1 0 0 0 0 0	1 1 0 0 1 0 1 0 0	1 0 0 0 1 0 1 0	0 0 0 1 2 1 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 1 1 0 0 1	0 0 0 1 1 2 0 0 1	0 0 0 1 1 2 0 0 0	1 0 0 0 1 0 0 0	000000000000000000000000000000000000000	000000000000000000000000000000000000000	00000000	0 1 0 0 0 0 0 0 0 1	0 0 0 0 0 1 0 1	000000100	000000000000000000000000000000000000000	0001000000	0 0 0 0 0 0 0	1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	000300000	010200000	0 1 0 0 0 0 0 0	0 0 0 1 1 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 1 0 0
21 22 23 24 25 26 27 28 29	0 0 1 2 0 0 0 1 0 0	0 0 1 6 1 0 0 2	0 0 0 2 0 0 2 1 0	0 0 1 0 0 1 2 0	0 0 0 0 0 0 0 1	1 0 0 1 0 0 1 0	1 1 1 0 0 0 0	1 1 2 1 0 0 0 1 1 0 1	0 0 3 1 0 0 0 1 0 1	0 1 1 0 0 1 1	1 0 1 1 0 0 2 - 0 1	1 0 1 3 0 1 2 1 0	0 2 1 2 0 0 1 1 0 1	0 1 0 2 0 0 0 1	0 1 0 2 0 0 1 0 1	0 0 0 1 0 1	0 0 0 0 0 0 1 0 2	0 0 0 0 0 0 0 1	0 0 0 0 0 0 0 0 1	000000001	0 0 0 0 0 0 0 1	0 0 0 1 0 0 1 1 0 1	0 1 2 0 0 0 1 0 0 0	0 2 1 0 0 0 1 0 0 0	0 0 1 0 1
MEAN	0	1	0	0	O	0	0	1	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	o	0.4

PERCENTAGE OF DATA VALID - 98.8 PERCENTAGE OF DATA INVALID - 1.0

PERCENTAGE OF DATA UNAVAILABLE - 0.3

NOTES 1. ****** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- *- * INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE UNITS - 0.01 PARTS/MILLION STATION - WC NO 27037 NORTH/GENEVA STREET, ST. CATHARINES MONTH - MAY 77 HOUR 9 10 11 12 13 14 15 16 17 18 20 21 22 23 0 0 1 ò 12 13 14 15 16 17 18 19 20 0 0 22 23 24 25 26 27 28 o 0.4 MEAN

PERCENTAGE OF DATA VALID - 99.5

PERCENTAGE OF DATA INVALID - 0.5

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- *- * INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNITS - 0.01 PARTS/MILLION

	STA	TION	· wc	NO :	27037	1	NORTH/	GENE	VA ST	REET.	ST.	CATH	ARINE	S		MON	тн	JUL	77						
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 MI	EAN
1 2 3 4 5 6 7 8 9	0 0 2 1 0 0 2 0 0 0	0 0 1 0 0 1 0	000000000000000000000000000000000000000	0 0 0 0 0 0 0	0 0 0 1 0 0 1 1	0 0 1 0 0 2 1 0	0 0 1 0 0 6 1 0 0	0 0 0 1 0 0 2 0 0 0	0 0 0 0 0 0 0	0 0 0 1 0 0	0 0 1 1 0 0 0 0 0 0 0	0 0 1 1 0 0 0	0 0 0 1 1 2 0 0	0 0 1 0 0 0	000000000	0 0 0 0 0 0 0	0 0 0 0 0	0 0 0 0 0	0 0 0 0 0 0 0 0	0000000	000000000	0 0 0 0 0 0	0 1 1 0 0 0 0 0 0 0	0 3 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 1 1 0 0
11 12 13 14 15 16 17 18 19	0 0 0 0 1 1 0 0 0 0	0 0 0 0 0 0 0 0	0 0 1 0 0 0 0 0	1 0 1 1 1 0 0 0	0 0 0 1 1 0 0	0 0 0 0 0 0 0 0	0 1 0 1 0 0 0 0 0 0 0	1 0 1 1 0 0 0	1 1 2 1 0 0 0 1	1 2 1 1 1 1 0 0	1 2 1 1 3 0 0 0 0 0	0 1 3 0 1 0 0	1 0 0 3 0	0 0 1 0 0 0 0	000000000000000000000000000000000000000	1 2 0 0 1 0 0 0 1 0	0 4 0 0 1 1 0 0 0 0	0 1 0 1 1 0 0 0 0 0 0	0 2 0 1 1 1 0 0	0 1 0 0 0 0 0 0 0	0 1 0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 1 1 0 0 0 0 0 0 0 0	1 1 0 1 1 0 0 0
21 22 23 24 25 26 27 28 29 30	0 0 0 0 1 0 0	0 0 0 0 1 0 0 0	1 0 0 2 0 0	0 2 0 0 3 0 0	5 0 1 0 0 2 0 0	1 0 0 0 1 3 0 0	2 0 0 0 1 4 0 1	2 0 0 0 1 1 0 1	0 0 0 1 0 0 1	0000001	0 0 0 0 1 0 2	0 0 0 0 1 0 2 - DA	0 4		0 0 0 0 1 0	0 0 0 0 0 1 0 2	0 0 0 0 1 0 2	0 0 0 0 1 0 - 1	000000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 1 1 0 - 1	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 0 0 0 0 1 0
31 MEAN	1	1	1	0	1 0	0	1	1	1	2 0	2	2	2	1	1	2	2	2	2	2	2	2	1	1	0.4

PERCENTAGE OF DATA VALID - 92.2 PERCENTAGE OF DATA INVALID - 1.6

PERCENTAGE OF DATA UNAVAILABLE - 6.2

NOTES 1. "**** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. "***** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	PO	LLUTAI	чт .	SULPH	UR DI	OXIDE								UNITS	- 0.	01 PA	RTS/M	ILLIO	N							
	ST	ATION	- wc	NO	27037	7	NORTH	/GENE	VA ST	REET,	ST.	CATH	ARIN	ES		MON	тн -	AUG	77							
HOUR DAY	,1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1 2 3 4 5 6 7 8 9	1000000000	-0000000000	1000001010	1 0 0 0 1 0 0 0 0	1 0 0 0 0 0 0 0 0	1000000000	1 0 0 0 0 0 1 1	1 0 0 0 0 1 1 0 0	0 1 0 0 0 0	1001000	1 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0	1 0 1 0 0 0 2	0 1 0 0 0 0 0 1	1 0 1 0 0 0 1	0 1 0 0 0 0 0 1	1 1 1 0 0 0 0	0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 0 1 0 0 0	0 1 0 0 0 1 0	(1 0 1 0 0 0 0 0 1
11 12 13 14 15 16 17 18 19	••••	••••	••••	••••	••••	••••	****	****	••••	••••	••••	0 - DA	DATA DATA O **** TA U TA U	INVAL INVAL O O NAVAIL NAVAIL NAVAIL NAVAIL	ID - ID - O- ABLE ABLE ABLE ABLE	-	0	٥	0	0	0	0.	o.	0	*****	
21 22 23 24 25 26 27 28 29 30												- DA - DA - DA - DA - DA - DA	ATA U ATA U ATA U ATA U ATA U ATA U ATA U	NAVAIL NAVAIL NAVAIL NAVAIL NAVAIL NAVAIL NAVAIL NAVAIL NAVAIL	ABLE ABLE ABLE ABLE ABLE ABLE ABLE											
31												- D4	TA U	NAVAIL	ABLE											
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0.	3

PERCENTAGE OF DATA VALID - 32.7 PERCENTAGE OF DATA INVALID - 12.6

PERCENTAGE OF DATA UNAVAILABLE - 54.7

- NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE
 - -- INDICATES DATA 15 UNAVAILABLE
 - 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

	STA	TION -	wc	NO 2	7037	NO	RTH/GE	NEVA	ST	REET,	ST.	CATHAR	INE5	į.		MONT	H - S	EP	77						
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1 2 3 4 5 6 7 8 9												- DATA	UNA UNA UNA UNA UNA UNA	VAILA VAILA VAILA VAILA VAILA VAILA	BLE - BLE - BLE - BLE - BLE - BLE -										
11 12 13 14 15 16 17 18 19 20	. 0 0 0 0 0	0 0 0 0 0	1 0 0 0 0	1 0 0 0 0 0	. 0 0 0 0 0 0	0 0 0 0	. 0 0 0 0 0 0 0	. 0 0 0 0	0 0 0 0	0 0	0 0 0 0	- DATA - DATA - DATA - DATA - DATA - DATA	UNA	VAILA	BLE -		0 0 0 0 0	00000	000000	0 0 0 0 0 0	0 0 0 0 0	0 0 0 0 0	0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0
21 22 23 24 25 26 27 28 29 30	000000000	000000000	0 0 0 0 0 0 0 0	000000000	000000000	0 0 1 0 0 0 0 0 0 0 0	0 0 1 0 0 0 0 0 0 0 0	0 0 ***	1	0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 1 1 0 0 0	0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 1 0 0 1 0 0	0 0 0 0 1 0 0 0	0 0 0 0 1 0 0 0	0 0 0 0 1 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0	0 0 0 0 1 0 0 0 0	0 0 0 1 0 0 0	0000100000	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1

PERCENTAGE OF DATA VALID - 50.6 PERCENTAGE OF DATA INVALID - 1.0

PERCENTAGE OF DATA UNAVAILABLE - 48.5

NOTES 1. "**** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POLL	UTANT	- S	ULPH	UR DIO	XIDE							ţ	JNITS	- 0.	01 PAR	RTS/MI	LLION	4						
	STAT	ION -	WC	NO	27037		NORTH/	GENEV	A STR	EET,	ST.	CATH	ARINES	S		MONT	гн - с	ст	77						
HOUR DAY	1	2	3	4	5	6	7	8	9	10	1.1	12	13	14	15	16	17	18	19	20	21	22	23	24 1	MEAN
1 2 3 4 5 6 7 8 9	00000.000	000000.000	0 0 0 0 0 0 0 0 0	00000.000	0 0 0 0 0 0 0 0 0 0	0000000000	0000000000	00000.000	0 0 1 0 0 0	0 0 1 0 0 0 0	*** 000	0000	0 0 0 0 0 0 0 0	0000.0000	00000,0000	0 0 0 0 0 0 0	0000.0000	0000-0000	000000000	00000.0000	00000.0000	0000.0000	0000.0000	00000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
11 12 13 14 15 16 17 18 19	0 0 0 2 0 1 0 1 0 0	000000000	0 0 0 3 1 0 0 0 1 0	0 0 0 3 1 0 0 1	0 0 0 2 1 0 0	0 0 0 2 1 0 0 1 1 1	0 0 0 3 1 0 0 1 1 1 1	0 *	0 *** 1 1 1 0 0 1 1 2	0 0 1 1 0 0 1 1 3	0 0 0 0 1 0 0 1 1 3	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 1 0 1 1 1 1 3	1	000000000000000000000000000000000000000	0 0 0 0 1 0 3	0 0 0 1 1 1 1	0 0 0 1 0 0 1 1 1 1	0 0 0 0 1 0 0 1 1 0 0	0 0 0 0 0 0 0 0 0	0 0 1 0 0 0 0 0	0 0 1 1 0 0 0 1 0	0 0 2 1 0 0 0 1 1	0 0 2 1 0 0 0 1 0	0 0 0 1 1 0 0 1 1 1 1
21 22 23 24 25 26 27 28 29 30	0 1 0 1 1 0 0 0	0 1 0 2 0 1 1 0 1 0	0 1 0 2 0 1 1 1 1	0 1 0 2 0 1 0 0	0 1 0 1 0 1 0 0	0 1 0 1 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 2 1 1 1 1 1 0 0	1 0 3 0 2 1 1 0 0	1 1 0 3 0 1 1 1 0 0	1 0 0 3 2 **** 0 0	2 1 0 2 3 1 3 0 0	2 0 0 3 0 2 0 0	1 1 0 1 2 1 2 0 0 0	1 1 0 1 2 1 2 0 0 0	1 1 0 1 2 2 2 0 0 0	1 0 0 1 2 2 1 0 0 0	2 0 0 1 2 1 1 0 0 0	2 0 0 1 2 1 1 0 0	1 0 0 1 2 1 1 1	1 0 0 1 2 1 1 1 0 0	1 1 0 1 2 1 1 0 0	1 1 0 1 1 1 1 0 0	0 1 1 1 1 1 0 0	1 1 0 2 1 1 1 1 0 0
31 MEAN	0	0	0	0	0	0	0	0	2	1	0	1	1 1	0	0	1	0	0	0	0	0	0	0	0	0.4

PERCENTAGE OF DATA VALID - 94.9 PERCENTAGE OF DATA INVALID - 1.6

PERCENTAGE OF DATA UNAVAILABLE - 3.5

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNITS - 0.01 PARTS/MILLION

	STA	LON	× 143	NO	27037		NORTH/	GENEVA	51	REET,	ST.	CATH	ARINES			MONT	TH - N	VOV	77						
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	D	1	1	1	0	0	0	1	1	î	1	1	1	1	1	1	4	1	1	1
2	ō	ŏ	ő	ŏ	ŏ	ō	o	÷.	•	1	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0
3	o	ō	ŏ	ō	ō	ō	0	ò	0				0	0	0	0	0	0	1	0	0	0	0	О	0
4	0	ŏ	o	ŏ	ŏ	0	0	ō	o	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	o	0	ō	ō	0	o	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	o	ō	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	ō	O	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	ō	0	0	0	0	U	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	ō	o	ŏ	ō	0	0	0	0	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	3	1
10	1	1	1	1	1	1	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	n	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	ŏ	0	ŏ	ŏ	ŏ	0	ō	ō	ŏ	ō	0	o	0	0	0	0	0	0	0	0	0	0	0	0	0
13	ŏ	ŏ	ō	ō	ō	ō	ō	ō	0 0 2	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0
14	ŏ	ĩ	1	o	0	1	0	ō	ō	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1
15	2	3	3	3	3	2	2	2	2	2	2	2	2	2	1	1	1	1	- 1	1	1	1	1	1	2
16	- 1	1	1	1	1	1	1	1	1	1	1	1	0		0	0	0	0	0	0	0	0	0	0	1
17	Ó	o	ò	0	0	0	0	0	Ö	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	٥
18	ō	ō	ō	ō	o	0	0	0	ō	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	o	ŏ	Ö	o	o	0	0	0	ŏ	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
20	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	2	2	1	1	0	0	0	0	0	1
21	1	11	10	1	-1	4	1	1	1	4	1	-					-	-			290	:=:	*		*****
22												- D/	TA UN	AVAIL	ABLE										
23													ATA UN												
24	-		-			4			2	~	-		0		1	1	1	1	1	1	1	1	1	1	*****
25	1	2	1	1	1	1	1	1		1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1
25 26	1	1	1	1	i	1	1	0	0	0	1	0	1	1	1	1	0	0	0	0	٥	0	0	0	1
27	0	0	o	1	1	1	0	0	1	0	0	0	0	0	0	1	2	1	1	1	0	0	0	1	0
28	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1.	1	1	1	2	1
29	1	1	1	1	1	2	2	1	2	2			3	3	3	4	4	4	4	2	2	2	2	2	2
30	2	2	4	4	6	5	2	1	2	2	2	2	1	1	2	2	2	2	2	2	3	2	1	1	2
MEAN	0	1	1	1	1	1	ŧ	1	1	1	0	0	1	0	11	1	1	1	1	0	0	0	0	1	0.6

PERCENTAGE OF DATA VALID - 88.9

PERCENTAGE OF DATA INVALID - 1.0

PERCENTAGE OF DATA UNAVAILABLE - 10.1

NOTES 1. "**** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

POLLUTANT . SULPHUR DIOXIDE UNITS - 0.01 PARTS/MILLION NORTH/GENEVA STREET, ST. CATHARINES MONTH - DEC 77 STATION - WC NO 27037 20 21 22 23 HOUR 6 9 10 11 12 13 14 15 16 17 18 19 24 MEAN 0010100210 1001 010120210 8 9 10 11 12 13 14 15 16 17 18 19 21 22 23 24 25 26 27 28 29 30 1 0 0 0 31 0 0 0 0 0 0.9 1 MEAN

PERCENTAGE OF DATA VALID - 99.2

PERCENTAGE OF DATA INVALID - 0.8

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. -- INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1977

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - WC	NO 27037 NORTH/GÉNEV	A STREET, ST. CATHARINES		
MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	25	2.2	5	9
FEB	1.4	1.5	4	7
MAR	26	1.0	4	11
APR	30	0.5	2	7
MAY	31	0.4	, ř	8
JUN	30	0.4	1	6
JUL	29	0.4	1	11
AUG	9	0.3	1	2
SEP	15	0.1	1	1
oct	29	0.4	2	3
NOV	26	0.6	2	6
DEC	31	0.9	2	6
YEAR	295	0.7	5	11

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

MONTHLY GROUP	FREQUENCY	DISTRIBUT	ON FOR 1	977			
POLLUTANT - SU	LPHUR DIO	CIDE			UNI	TS - 0.0	1 PARTS/MILLION
STATION - WC	NO 27037	NORTH/	GENEVA ST	REET, ST.	CATHARINES		
MONTH OO	TO 04 05	TO 10 11	TO 14 1	5 TO 25 26	TO 39 40	&OVER	TOTAL
JAN	551	61	0	0	0	0	612
FEB	314	3.1	0	0	0	0	325
MAR	629	15	1	0	0	0	645
APR	711	1	0	0	0	0	712
MAY	738	2	0	0	0	0	740
JUN	710	1	0	0	0	0	711
JUL	682	3	1	0	0	0	686
AUG	243	0	0	0	0	0	243
SEP	364	0	0	0	0	0	364
OCT	706	0	0	0	0	0	706
NOV	638	2	0	0	0	0	640
DEC	735	3	0	0	0	0	738
YEAR	7021	99	2	0	0	0	7122

FREQUENCY	DISTRIBUT	ION BY PE	RCENTILES									
	PERCENT OF DATA				FREQUENCY		TRATIONS	PERCENT				ARITH
	VALID	MIN	10	30	50	70	90	95	98	99	MAX	MEAN
	81.2	0	0.0	0.0	0.0	0 6		2 2	2 6	16	14	0.7

UNITS - 0.01 PARTS/MILLION

	\$1	TATION		NO	27038	9	ROSE	HILL	RD/MAC	DONA	LD DR	FOR	ERI	E		MO	NTH -	JAN	77						
HOUR DAY	d	2	3	4	5	6	7	8	9	10	11	12	13	14	15				19	20	21	22	23	24	MEAN
1 2	0	0	0	О	О	0	О	0	0	0	0	0	0	0	0	0	0	0	o	٥	0	. 0	0	0	0
			••••	••••	****	****	****	****	****		****	****				2	2	1	0	ō	ő	o	1	5	*****
3	4	3	2	2	2	1	1	1	1	2	4	6	6	5	4	4	3	2	2	2	2	3	3	ā	3
5	5	5	5	6	7	5	3	2	1	3	2	2	4	4	4	2	2	2	2	2	2	2	2	2	3
		2	2	2	2	2	2	2	2	2	2	2	1	1	2	1	2	2	1	- 1	- 7	- 7	1	7	2
7	5	3	5	5	1	0	0	0	0	0	1	2	4		6	9	11	8		5	4	5	6	6	4
8	0		4	5	4	4	5	4	4	4	2	0	0	0	0	0	0	0	ó	ő	ō	ŏ	õ	ő	2
9	4	0	0	0	0	0	0	1	5	5	3	3	4	3	1	1	2	2	3	4	3	3	3	3	5
10		4	3	3	2	2	1	1	0	1	1	2	3	4	2	1	1	ō	7 0 3 0	4		ĩ	7	1	5
10	2	2	2	2	2	2	2	2	2	2	2	2	3	5	5	3	2	1	ŏ	ò	ò	- 1	ó	- 4	2 2 2
11	1	-	-	_	- 0		790													•			•		-
12	3	1	2	2	1	0	0	0	0	0	****	0	- 1	2	3	3	4	6	5	4	1	1	2	2	2
13	3	3	3	2	2	3	4	8	6	8	4	3	3	7	5	2	3	5	5	2	3	10	3	3	ā
14	****	****	1	. 1	. 1	1	- 1	1	1	3	3	4	3	2	3	2	2	2	3	4	6	4	2	2	2
15			• • • •	••••	****	****	****	****		****	****		****		11	11	10	9	8	8	7	7	7	7	
16	7	8	6	6	6	5	4	3	6	5	3	4	3	5	7	7	5	4	4	2	2	2	3	,	=
17	1	1	1	2	2	1	- 1	1	1	3	11	5	5	5	3	2	3	2	4 2 5	3	3	3	3	2	3
18	3	3	3	3	3	3	3	4	4	5	4	4	4	4	3	3	4	4	- 5	5	5	6	6	3	4
	3	3	3	3	2	2	3 5 2	5	4	3	****	2	2	2	7	4	2	2	2	3	4	5	4	4	
19	6	4	3	3	3	4		2	2	2	2	2	4	4 2 3 8	2	1	1	1	7	ĭ	- 7	- 1	- 7	- 7	3
20	2	2	2	3	3	3	3	3	7	8	5	6	7	8	2	7	5	5	6	8	7	ė	7	7	5
21	6	6	7	7	7	6	6	6	6	6		3	4	_	_	_	_								
22	7	2	2	3	,	1	1	2	2	2	2	3	2	5 2 3	3	2	2	1	1	2	1	1	1	1	4
23	1	1	2	2	2	4	- 1	1	1	2	3	6	4	2	3	4	3	2	3	4	3	3	3	2	3
24	5	5	6	8	10	10	10	10	10	12	11	10	9	9	8	4	3	3	3	3	3	3	4	5	3
25	7	5	5	4	5	5	4	4	4	5	6	6	9	9	8	9	6	6	7	7	6	6	6	6	8
26	0	0	0	0	1	ō		1		ő	1	•	2		1	2	2	1	1	. 1	1	1	0	٥	3
27	1	1	1	1	1	1	,	2	0	2	2	2							****		****	****		****	*****
28	2	2	2	2	2	3	3	6	7	5	4	2	- 3	- 1		. !		2	1	. 1	. 1	1	2	2	1
29			-	-		~	_		,		-	3	DATA	INVAL	10	1			****		****			****	3
30												- 0	DATA	INVAL	ID -										
31												*	DATA	INVAL	- 01										
MEAN	3	3	3	3	3	3	2	3	3	3	3	3	3	3	4	3	3	3	3	3	3	3	3	3	3.0

PERCENTAGE OF DATA VALID - 83.5 PERCENTAGE OF DATA INVALID - 16.5

PERCENTAGE OF DATA UNAVAILABLE . 0.0

NOTES 1. ****** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. *- INDICATES DATA IS UNAVAILABLE
- 3. ******* INDICATES LEJS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	PC	LLUTA	NT -	SULP	HUR DI	OXIDE	E							UNIT	s - o	. 01 P	ARTS/	MILLI	NC						
	S1	TATION	. wc	NO.	27038	3	ROSEH	HILL F	RD/MAG	DONAL	D DR	. FOR	T ERI	E		Mo	NTH -	FEB	77						
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1 2 3													DATA DATA ATA UI	INVA	LID -										
4	•						4.							3	3		2			_	_	-		_	100000000000000000000000000000000000000
5	2	2	2	2	4	14	5		8	6	1	2	;	2	3	5	- 1	- 2	2	2	2	2	2	2	*****
6	1	1	- 7	1	1	2	1	- 7		1	i	1	- 7	- 1		- 1	- 1	- 1	2	2	2		2	- 1	3
7	1	1	1	1	1	1	1	- 1	2	i	- 1	- 1	- 4	- 1		- 1	- 1	- 1	1		1	2	:		1
8	2	3	4	4	4	3	3	7		7	6	6	6	5		5	6	7	4	2 6 6	2 6	6	6	4	1
9	4	5	8	8	9	10	1.1	8	9	8	8	7	7	6	6	5	5	6	é	- 6	6	5	4	7	7
10	4	3	3	3	3	3	3	3	3	3	3	3	3	****	1	2	3		7 6 6	7	8	6	3	4	4
11	5	4	3	2	2	2	2	2	2	2	2	3	2	2	2			4			6	9	~		
12	0	0	ō	ō	ō	ō	õ	ō	•	1	ī	1	- 1	2	2	3	2	2	1 2	3	1	- 1	5	1	2 2
13	2	2	1	0	0	1	1	Ď	- 1	1	í	- 1	i i	î	ō	ő	ō		ő	3	0	- 1		- 1	
14	1	1	0	0	0	D	0	1	1	Ó	Ó	****	ò	ó	ŏ	ő	ő		ő	0	ŏ	ò	ò	ó	ò
15	0	0	0	0	0	0	0	0	0	0	0	0	ō	****	****	ā		****	ő	ő	ő	0	ő	ŏ	o
16	0	0	0	0	1	1	1	0	o	0	0	ō	Ď	0	0	ŏ	ō		ŏ	ő	ő	Ö	ő	ő	ő
17	0	0	0	0	0	0	0	0	0	0	-	1	1	2	3		3		0	4	4	3	š	4	2
18	4	4	4	4	4	4	5	6	7	9	****		6	7	6	6	7		6	6	5	4	5	5	6
19	4	4	4	4	4	3	3	2	2	2	1	1	0	0	ō	0	0	0	1	1	ő	0	ō	1	3
20	2	2	1	1	1	1	2	3	3	2	2	2	2	3	2	2	1	2	3	4	5	2	3	2	2
21	1	1	1	1	2	4	4	3	2	2	3		****	2	4	4	2	0	2	1		2	- 1	11	2
22	2	2	2	2	3	4	5	5	5	4	4	4	****	****	****		****	****		****				****	*****
23	****	****	****	****	****		****	****	****	****			****				2	2	2	2	1	2	2	2	*****
24	,	1	1	1	0	2	1	1	1	1	0	0	0	0	0	0	0	ō	ō	ō	i	- 7	- 7	- 7	1
25	2	1	0	0	0	0	0	1	1	1			0	0	ō	ō	0	1	1	2	i	ò	- 1	1	1
26 27	1	0	0	1	0	0	0	0	1	1	2	2	1	1	1	1	1	1	1	1	2	1	1	- 1	1
28	0	1	1	1	2	3	4	1	0	1	0	1	0	. 0	. 0	****	****	****	****	****	****			****	*****
20												*	DATA	AVAI	LID -										
MEAN	2	2	2	2	2	3	2	2	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2.0

PERCENTAGE OF DATA VALID - 76.5 PERCENTAGE OF DATA INVALID - 15.0

PERCENTAGE OF DATA UNAVAILABLE - 8.5

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNITS - 0.01 PARTS/MILLION

	STA	TION -	wc	NO 2	27038	R	OSEHIL	RD	/MAC	DONALD	DR.	FC	RT ER	IE			MON	TH - 1	MAR	77						
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	1	2 1	3	14	15	16	17	18	. 19	20	21	22	23	24	MEAN
1 2 3 4 5 6 7 8 9	0 1 1 0 0 0 0	0 1 1 0 0 0	0 1 1 0 0 0	0 1 1 0 0 0	1 1 0 0 0 0	0 1 1 0 0 0	0 1 1 0 0 0 0	0 1 0 0 0 0	0 1 1 0 0 0 0	**** * 0 1 1 0 0	0 1 1 0 0 0 0 4			UNA	VAIL	ABLE - ABLE - O O O O O O O O O O O O O O O O O O O		0 0 1 0 0 0 2 3	0 0 1 0 0 1 3	0 0 1 0 0 2 5	0 0 1 0 0 0 2 3	0 0 1 0 0 0 2 3	0 0 1 0 0 3 3	0 1 1 0 0 0 3	0 1 1 0 0 0 3 3 6	0 1 1 0 0 1 1
11 12 13 14 15 16 17 18 19 20	4 4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5 1 0 0 0 1 0	3 0 0 0 1 0	0 0 0 0	0 0 0 0	0 0 0 0	1 0 0 1 0 0	0 0 1 0 0	2	000		0 0 0 2 0 0 DATA DATA	0 0 2 1 0 UNA	O O O 2 1 VAIL	0 0 2 0	0 0 2 0	0 0 0 1	0 0 0 1 1 1	0	0 0 0	0 0 0		000	000	0 0 1
21 22 23 24 25 26 27 28 29 30	4 2 2 1 6 0 0	4 2 2 1 1 2 0 1 2	4 2 2 1 1 1 1 1 2	3 2 2 1 1 1 2 5	3 2 2 1 1 0 1 1 5	3 2 2 1 0 1 7	2 3 2 1 0 1 0 1 3	3 3 1 0 1 0 1 2	0 0 1 2	3 4 **** 1 1 0 0 *	3 5 0 1 1 0 0 1 1 1		3 3 0 4 1 0 1 1 1 1	3 2 0 2 1 0 1 1 1	1	2 2 2 0 0 0 1 0 0 0 1 0 0 0 1 1 0 0 0 0	3 2 3 0 0 1 1 1 3	3 2 3 1 0 0 3 1 1 1	3 2 0 0 1 1 1 1 1	3 2 3 2 0 0 1 1 1 1 1	3 2 3 1 1 0 1 1 1 1 1 1	3 2 3 1 1 0 0 2 2 1	3 2 2 0 2 0 0 1 2 1	3 2 2 0 3 0 0 0 0 2 1	4 2 2 0 5 0 0 0 0 2	3 1 1 1 1 1 1 2
31 MEAN	1	1	1	1	1	1.	1	1	1	1	1		1	1	1	1	1	1	1	1	1	1	1	1	1	1.0

PERCENTAGE OF DATA VALID - 73.8 PERCENTAGE OF DATA INVALID - 3.9

PERCENTAGE OF DATA UNAVAILABLE - 22.3

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POLI	UTANT	- 5	ULPHU	JR DIO	KIDE							· ·	NITS	- 0.0	1 PAR	TS/MI	LLION	4						
	STAT	ION -	WC	NO :	27038	R	OSEHILL	RD/	MACDO	NALD	DR.	FORT	ERIE			MONT	н - д	PR	77						
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 M	EAN
1 2 3 4 5 6 7 8 9	2 4 2 2 2 1 1 1	2 2 2 1 1 1 1 1 1 1	2 3 2 2 1 2 1 1 1	2 2 1 1 1 1 2	2 4 2 2 1 1 2 1 1 2 2	2 2 2 1 1 2 1 2 2	2 1 1 1 1 1 1 1 1 1	2 1 2 1 1 2 1 1 1 1 1 1 1 1 1	2 1 2 1 1 2 1 1 1 1 1	2 2 2 2 1 1 0 1	3 2 2 2 2 1 1 1	4 2 2 2 2 2 1 2 2 2	4 2 1 2 2 1 2 2 3 2	4 1 2 2 1 2 2 3 2	3 1 2 2 1 2 2 2 2 2 2	3 1 1 2 2 1 1 2 2 1	3 2 1 1 2 1 1 1 1 1 1 1	3 2 1 1 2 1 1 1 2 2	3 2 1 2 2 1 2 1 1 2	2 2 1 2 1 1 2	3 2 1 3 2 1 2 1 1 2	2 2 1 3 2 2 1 1 3	2 1 1 2 1 1 1 2 2	3 1 2 1 2 2 1 1 1 3	3 2 2 2 1 1 1 1 2
11 12 13 14 15 16 17 18 19	3 3 2 1 1 1 1 1 2 2 2	3 2 1 1 1 1 1 1 1 2 1	3 2 1 1 1 2 1 1 2 2	3 2 1 1 0 2 1 1 2 2	2 2 2 1 0 2 1 0 1 3	1 2 2 1 0 1 1 1 1	1 0 1 1 1	1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 2 2 2	2 1 2 1 2 1 0 2 2	1 1 1 1 2 2 0 2 3	1 1 2 1 2 3 2 1 3 3	1 2 2 1 2 3 3 0 5 3	1 2 2 1 3 3 5 1 4 4	1 1 2 2 3 2 3 1 4 8	1 2 1 1 3 3 1 1 4 7	1 2 1 1 2 2 2 1 5 6	1 2 1 1 2 1 1 4 5	1 2 2 1 2 1 8 1 6 5	1 2 1 1 2 1 2 1 6 5	2 2 1 1 1 1 1 1 4 3	2 2 1 2 1 2 1 3 3	2 2 1 1 1 1 1 2 2	2 2 1 1 1 2 1 3 3	2 1 1 1 1 1 2 2 2 2	2 2 2 1 1 2 2 1 3 3
21 22 23 24 25 26 27 28 29 30	2 3 0 0 0 1 2 4	2 2 0 0 0 0 1 3 3 2	2 2 0 0 1 0 1 3 3 2	2 2 0 0 1 0 1 2 3 2	2 2 0 0 0 0 1 2 2 2 2	2 2 0 0 0 0 1 2 2 3	2 0 0 0 1 1 2 2	2 2 0 0 0 3 1 1 2 2 2 2	2 1 0 0 1 2 2 2 1 3	2 1 0 0 2 2 2 1 1 4	2 1 0 0 3 3 2 1 3	3 1 0 0 1 3 4 2 1 3	3 1 3 3 3 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	3 0 0 1 1 2 2	3 0 0 7 1 1 2 2 1 2	3 0 0 0 1 1 2 3 1 2	3 0 0 0 1 2 2 3 1 2	3 0 0 0 1 1 3 2 1 2	3 0 0 0 2 1 2 2 1 2	3 0 0 1 1 1 1 2 3	3 0 0 0 1 1 2 1 2 3	3 2 0 0 1 1 2 2 2 3	3 0 0 1 1 2 2 2 3	2 0 0 0 1 1 2 2 2 3	3 1 0 0 1 1 2 2 2 2 2
MEAN	2	1	2	2	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1.6

PERCENTAGE OF DATA VALID - 99.6 PERCENTAGE OF DATA INVALID - 0.4

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEDS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - SULPHUR C.JAIDE UNITS - 0.01 PARTS/MILLION

														014112	- 0.	UI PA	RTS/M	ILLIO	N						
	STA	TION	- WC	NO	27038	-	ROSEHI	LL RI	D/MAC	DONA	D DR	. FOR	T ERIE	E,		MON	тн - 1	YAN	77						
HOUR	1	2	J	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 1	MEAN
1	3	3	2	3	2	2	2	2	2	2	3	5	4	4	3	3	4	4					5	4	
2	5	3	3	4	3	3	3	4	2	2	2	2		****	1	ĭ	1	7	7	- 4	7			- 1	3
3	1	1	1	1	1	2	1	1	1	1		1	1	4		9	8	2	- 4	:					2
4	5	4	1	1	1	1	1	3	4	1	1	1	1	1	,		2	~		1	1	,	. 1	2	2
5	2	1	1	1	1	1	1	1	1	î	1	1	3	3	3	3	á	-	1	2	2	2	. 2	2	2
6 7	2	2	1	1	i	1	1	1	2	2	,	2		2	3	2	2	2	- !	1	,	1	- 1	1	2
	2	1	1	1	2	1	1	7	10	9	- 7	1	1		-		-	- 1		2	2	1	2	2	2
8	t	1	1	1	1	1	•	1		ĭ	2	3	- 1		- 1	- 4					1	1	1	1	2
9	t	1	1	1	9.1	- 1		- 1	- 4	- 4	1	- 7	- 1		- 1	. !	1	1	1	1	,	- 1	1	1	,
10	1	1	1	1	î	1	i	4	- 1	- 1	- 1		2	2	1	- 1	1	1	1	1	2	2	2	1	1
							- 5	(8)					-	2	2	1	2	2	2	2	2	2	2	2	1
11	2	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	3	2	2	3	3	2	2	
12	2	2	2	2	2	3	3	3	4				****	2	2	2	2	2	- 1	1	3	1	- 1		2
13	-1	1	1	1	1	1	1	2	2	2	2	2	2	ī	-	2	ī	2		- 1	1	2		2	2
14	1	2	2	1	1	2	2	3	2	2	2	2	2	2	2	2	2	2	2			2	5	3	- 4
15	2	2	1	1	1	1	1	2	1	1	2	3	3	2	-	2	2	2	2	2	2	2	- 2	3	2
16	2	1	1	1	1	1	1	1	- 1	- î		1	2	2	2	2	3	3	2	2	2	1	1	1	2
17	3	3	3	3	3	3	2	3	3	3	3	3	4	4	4	4	4	4	3	4	4	4	3	3	2
18	4	4	4	4	3	3	3	3	3	5	4	4	4	3	3	3	-	-	4	4	4	4	4	4	3
19	3	3	3	3	3	4	4	5	4	4	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
20	3	2	3	3	2	2	2	2	3	4	4	1	2	4	2	1	1	3	2	3	3	3	2	1	3
21	1	1	1	0	1	1	2	2		1		1	4		4	-	4		_		-	-	- 2		-
22	2	1	1	1	1	4	1	- 1	- 0	4		2		7	4	3	7	5	5	3	2	2	2	2	2
23	1	1	1	1	1	1	1	- 1	- 4	- 4		2	3	3	1			2	2	1	1	1	1	1	1
24	2	1	1	1	- 1	1	2	2	2	- 1			•	3	2	2	2	3	3	3	2	2	2	2	2
25	0	0	ò	ò	ó	ò	ō	ō	ő	ò	ó	- 4		1	2	2	2	2	2	1	1	1	1	0	1
26	1	ŏ	ŏ	ŏ	ŏ	ŏ	ŏ	Ö	ő	ő		1		2	1	1	2	2	1	2	3	2	1	2	1
27	0	ō	ŏ	ŏ	ŏ	ŏ	ő	Ö		ő	ò	2	1	2	0	1	1	1.	0	0	0	0	0	0	0
28	ŏ	ŏ	ŏ	ŏ	ŏ	ŏ	ŏ	0	0	0		0	0	0	0	0	0	О	0	0	0	0	0	0	0
29	ŏ	ō	o	ő	ŏ				0	120	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	ŏ	ő	ő	o	Ö	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	2	3	3	2	4	2	3	3	3	4	3	-				- 1	700	.=:	2		2	2	2	2	1
			-					1101					3	3	2	2	2	3	3	3	2	2	2	2	2
MEAN	2	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1.7
PERCENT	AGE O	F DAT	A VAL	ID -	99.1		P	ERCEN	TAGE	OF D	ΔΤΔ 1	INVAL	ID -	0.9		DE	CENT	CE 0	5 DATA						
										y. U		HTAL		U. 9		rE)	CENT	IGE O	F DATA	UNAV	ALLA	RLE -	0.0		

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. *- " INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEJS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POL	LUTANI	· s	ULPHU	JR DIO	XIDE								UNITS	- 0.0	01 PAI	RTS/M	ILLIO	N						
	STA	TION .	wc	NO :	27038	,	ROSEHI	LL RO	/MACI	DONALD	DR.	FORT					TH		77						
DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 1	MEAN
1	2	2	2	1	1	2	1	1	1	1	1	2	2	1	1	1	1				-				2
2	1	1	1	1	1	1	- 1	1	0	0	0	0	0		î	1	2	2	ż	4	- 1	- 1			3
3		*		=		-			-	*			2	2	1	2	2	2	-	4					1
4	1	1	1	1	1	1	1	1	1	1	1	1	2	2	3	3	3	3	3	3	,	4	3	1 '	
5	3	3	3	3	2	2	3	3	-3	2	2	2	2	3	3	4	ă	3	3	3	3	3	3	3	2
6	5	4	4	3	3	2	2	2	0	2 *		1	1	- 7	ĭ	- 1	ĭ	,	3	0	3	1	1	3	3
7	1	0	0	0	0	0	0	0	0	0	1	0	ó	o	ò	ó			- 1	Ö	1			1	2
8	0	0	0	0	0	0	0	0	0	0	0	ō	ō	ŏ	Ö	ŏ	ò	ò	1	1	0	0	0	0	0
9	0	1	1	1	1	0	0	0	1	ō	ō	ŏ	4	2	Ÿ	2	Ö	ŏ	0	0	0	0	0	0	О
10	0	0	0	0	0	0	0	3	2	ŏ	ŏ	ŏ	ō	ō	0	•	1		0	0	0	0	1	1	1
						-	-	•	-		•	0	U	U	U		3.	2	2	1	2	1	1	1	1
11	0	0	0	0	0	0	0	0	0	0	0	0	0					-	1.20						
12	1	1	1	1	1	1	ĭ	o	ő	ő	ŏ	Ö	ŏ	0	0	0	0	0	0	1	1	1	1	1	0
13	2	2	î	- 1	- 1			·	2		***	2	6	0	1	1	1	1	1	1	1	1	1	1	1
14	6	7	5	5	5	6	5	5	4	4 -		5		6	6	6	6	6	6	5	4	4	5	5	4
15	3	2	2	2	2	2	2	2	2	7	7	4	4	4	5	5	4	4	4	4	4	3	3	3	4
16	4	5	7	7	4	2	2	2		3	4	3	2	2	3	4	4	6	4	2	2	2	1	1	3
17	,	2	2	3	3	3			2	4	2	1	1	2 0	2	2	2	2	2	2	2	2	2	2	3
18	ō	ō	ő	ő	0	0	3	3	-	***	1	. 1	0	0	0	0	0	0	0	0	0	0	0	0	ĩ
19	ŏ	ŏ	0	ő	ő	0		0	0	0	0	0	0		0	0	0	0	0	0	ō	o	ō	ō	Ö
20	ő	0	0	0			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	o	ō	ō	õ
20	U	U	U	U	0	0	0	0	0	0	O	0	0	0 .	***	3	3	4	4	4	3	3	3	3	ĭ
21	3	2	3	2	2	2	3	3	3	3	3	3	•		_	-	20	_							
22	1	1	1	1	1	- 7	1	ĭ		***	-	3	2	2	2	2	2	2	2	2	2	2	2	2	2
23	2	1	•	4	•	1		,				1	1	1	1	1	2	1	1	1	1	1	1	1	1
24 25	1	i	,	1	- 1	- 1	-	3	- 1	-	3	2	2	2	2	2	1	- 1	1	2	1	2	2	2	2
25	2	2	2	2		4		- 2	3	1	- 2	2	2	3	3	3	3	3	3	3	2	2	2	2	2
26	1	1	1	1	o	ò	ò	- 1			- 1	1	1	1	1	1	1	1	- 1	1	1	1	1	1	1
27	Ö	ò	ò	ò	0	Õ	ŏ	ò	1	1.		1	1	1	1	1	1	1	1	1	1	1	0	0	1
28	3	2	2	3	2	3	2		0			-	5	5	3	2	2	4	2	4	2	5	4	2	2
29	5	5	2	2		3	2	3	3	3	3	3	3	2	3	3	3	3	3	3	3	3	3	3	3
30	1	7	-	-	2	-2	2	2	2	4	3	2	1	2	1	1	1	2	1	2	2	2	2	2	2
-00			ř.		1	1	1	2	2	2	1	2	3	3	4	3	3	3	2	3	3	3	3	2	2
MEAN	2	2	2	1	1	Ĩ	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	1.5

PERCENTAGE OF DATA VALID - 97.2 PERCENTAGE OF DATA INVALID - 1.0

PERCENTAGE OF DATA UNAVAILABLE - 1.8

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEJS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNITS - 0.01 PARTS/MILLION

	ST	ATION	- WC	NO	27038		ROSEH	ILL R	D/MAC	DONAL	D DR.	FORT	ERIE			MON	TH -	JUL	77						
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	3	2	2	2	2	2	2	2	1	1	2	2	1	1	1	1	1	2	1	1	2	2	2	2	2
2	2	2	2	2	2	2	2	2	0	0	***	****	2	2	2	2	2	2	2	2	2	2	1	2	2
3	2	1	1	1	1	1	1	1	2	1	2	3	3	3	3	3	3	4	4	4	3	3	3	3	2
4	3	3	1	1	1	1	1	3	3	2	1	1	2	2	3	2	2	2	2	2	2	2	- 1	2	2
5	2	2	2	2	1	1	1	2	2	2	2	2	2	****	****	****	****	****	****	****	****		6	6	*****
6	6	6	5	5	5	5	4	5	4	3	3	3	3	3	4	4	3	3	3	3	2	2	2	1	4
7	1	2	1	1	1	1	1	1	1	1	2	2		****	3	2	2	1	1	1	1	1	1	****	1
8	****	****	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	- 1	1	0
9	1	0	1	1	0	0	0	0	0	1	1	1	1	1	1	1	2	2	1	1	1	1	0	0	1
10	0	0	0	0	0	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
11	1	0	0	0	0	0	- 1	3	****	****	- 4	2	1	1	2	2	2	2	2	2	2	2	2	2	1
12	1	1	1	1	1	1	0	o	0	****		****	****	****		****	****			****		****		****	*****
13		4.				*		-				194	DATA	INVA	LID -										
14	****	****	****	****	****	****	****	****			0	0	0	0	0	0	0	0	0	0	0	0	0	0	*****
15	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	3	4	4	4	3	3	3	2	2	1
16	2	2	1	1	1	1	1	2	2	2	2	2	3	4	3		3	3 4 5	3	3	3	3	3	3	2
17	3	2	2	2	2	2	2	2	3	3	4	4	4	4			4	4	4 5 2	3 5 2	3	3	3	3	3
18	3	- 0		- 7			7.0	- 9			3	3	4	4	4	5	4	5	5	5	4	4	4	4	*****
19	4	4	3	3	4	4	4	4	4	****	2	1	0	0	1	1	2	2	2	2	2	2	2	2	2
20	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	4	5	5	5	5	5	5	5	3
21	5	4	4	4	4	4	3	3	4	4	4	4	4	4				5	4	4	3	3	2	2	4
22	1	1	0	1	0	0	0	0	0	****	- 1	2	5	2			3	3	5	6	4	4	4	4	2
23	3	2	2	2	2	2	2	2	2	2	2	2	2	2		3	3	4	3	3	****			****	2
24												- te	DATA	INVA											
25	****	****	****	****	****	****	****	****	****	****	1	2	2	2				2	1	1	0	0	0	0	
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0					0 0 2 2	0	0	0	0	0	
27	0	0	0	0	0	0	0		0	0	2	2	2	0			0	0	0	0		0	0	0	
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0				0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	****	3	3			3	3 2	2	2 2	2	1	1	1	1
30	1	1	1	1	1	7	1	1	1	1	1	1	1	2	3	2	2	2	2	2	2	2	2	2	2
31	1	1	.0	0	0	0	0	0	1	1	2	2	3	4	4	4	4	5	3	4	3	3	3	3	2
MEAN	2	2	t	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1.8

PERCENTAGE OF DATA VALID - 84.3 PERCENTAGE OF DATA INVALID - 14.4

PERCENTAGE OF DATA UNAVAILABLE - 1.3

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEJS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POLL	UTANT	- S	ULPHU	R DIOX	IDE							UNITS	- 0.0	D1 PA	RTS/MI	LLION	N							
	STAT	ION -	WC	NO 2	7038	1	ROSEHILL	. 8	RD/MACDONALD	DR.	FORT	ERIE			MON	тн - д	UG	77							
HOUR	1	2	3	4	5	6	7	8	9 10	11	12	13	14	15	16	17	18	. 19	20	21	22	23	24	MEAN	
1 2 3 4 5 6 7 8 9	3 0 4 3 5 4	2 0 2 3 5 4	202354	1 0 2 3 5 5	1 0 2 3 4 6	1 0 2 3 3 5		202336	2 2 2 2 2 2 5 4 3 6	2 1 2 5 3 6	-	DATA	2 3 7 4 5 INVALI INVALI INVALI	D -	2 5 6 3 4	2 3 4 6 3 4	2 4 4 6 3 5	2 4 4 6 3 6	2 3 4 7 3 6	1 4 5 8 3 5	1 4 5 7 3 5	1 3 4 5 4	0 3 4 5 4		2 2 3 5 4 5
11 12 13 14 15 16 17 18 19 20	7 3 2 1	5 3 2 1	3 3 1 0	3 3 1 0	3 3 1 0	3 2 1 1 1	2 2 1 1 1 1	3 2 1 1 1	3 3 2 2 1 1 1 1 1 2	1 4 2 1 1	- DA	TA UN	AVAILA AVAILA AVAILA AVAILA 3 1 1	BLE	-	4 5 3 1 2	3 5 3 2 2	3 4 3 2 2	4 4 2 2 2	4 4 2 2 2 1	5 4 2 1 2	9 3 2 1 2	9 3 2 1 2 1	••••	4 3 1 1 1
21 22 23 24 25 26 27 28 29 30	1 1 3 2 1 4	1 1 3 1 1 3 3	1 1 2 1 0 6	1 1 2 1 0 5	0 1 2 1 0 2	0 1 2 1 0 2	0 1 2 1 1 3	0 2 2 2 1 3	2 2 2 2 2 2 1 1	1 2 2 2 1 3	2 1 1 3 - D4 - D7 - D7	TA UI	O 2 2 1 2 NAVAILA NAVAILA	BLE	-	2 2 2 2 2 -	1 2 2 2 2 2 .	1 2 2 2 2 2 -	1 2 2 2 2 2 -	1 2 2 1 2 2	0 2 2 1 3 3 .	0 2 2 1 3 3 -	0 2 2 2 1 3 3		1 2 2 1 1 1
31 MEAN	3	2	2	2	2	2	2	2	2 2	2	- D	3	AVAIL. 3	3 ABLE	3	3	3	3	3	3	3	3	3	2.	. 4

PERCENTAGE OF DATA VALID - 54.7 PERCENTAGE OF DATA INVALID - 12.1

PERCENTAGE OF DATA UNAVAILABLE - 33.2

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ******* INDICATES LEJS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

	STA	TION -	k	NO 27	038	RC	SEHIL	L RD/	MACE	ONALD	DR.	FOR	T ER	ΙE			MONTH	- SE	P 7	7							
HOUR DAY	ī	2	3	4	5	6	7	8	9	10	11	12	1	3	14	15	16	17	18	19	20	21	22	23	24	MEA	N
1 2 3 4 5 6 7 8 9												- D - D - D - D - D	ATA ATA ATA ATA ATA	UNA V UNA V UNA V UNA V UNA V UNA V	AILAB AILAB AILAB AILAB AILAB AILAB AILAB	LE - LE - LE - LE - LE - LE -											
11 12 13 14 15 16 17 18												- D - D - D - D - D	ATA ATA ATA ATA ATA ATA	UNA (UNA (AILAB AILAB AILAB AILAB AILAB AILAB AILAB AILAB AILAB	LE - LE - LE - LE - LE - LE -								a			
21 22 23 24 25 26 27 28 29	1 2	1 2	1 2	1 2	. 1 2	1 2	1 2		1 2	1 2	1 3	- D - D - D	ATA ATA ATA ATA ATA	UNA I UNA I UNA I UNA I	AILAE AILAE AILAE AILAE AILAE AILAE AILAE	LE -	3 3 3	2 2 2	2 2 2	1 2 2	1 2 2	1 2 2	1 2 2	1 2 2	1 2 2 2		· · · · · · · · · · · · · · · · · · ·
MEAN	2	2	2	2	2	2	2	2	2	2	2	2	2	2	4	2	3	2	2	2	2	2	2	2	2	2	1.8

PERCENTAGE OF DATA VALID - 8.1 PERCENTAGE OF DATA INVALID - 0.3

PERCENTAGE OF DATA UNAVAILABLE - 91.7

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "." INDICATES DATA IS UNAVAILABLE
- 3. "***** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	PO	LLUTAN	r - s	ULPHI	JR DI	OXIDE								UNITS	. 0	01 P#	RTS/N	ILLIO	N						
	ST	ATION	wc.	No :	27038		ROSEHI	LLF	RD/MAC	DONAL	D DR.	FORT	ERIE			MON	тн -	ост	77						
HOUR DAY	1	2	3	4	5	6	7	8	9	10	1.1	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 16	1 0 0 0 0 0 0 1 1 1 1 0 0 0 0	100000000000000000000000000000000000000	1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 0 0 0 0 0 0 0 1 1 1 0 0 0 1 1 0 0 0 1 1 0 0 0 0 1 1 0	1 0 0 0 0 0 0 1 1 0 0 0 0 1 0 0	1 0 0 0 0 1 1 0 0 0 1 0 0 0	1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 0 0 0 0 0 0	1002000110000010	1 0 0 2 0 0 0 1 1 0 0 0 1 1 1 0 0	1 0 0 0 0 0 0 0 1 1 0 0 0 1 2 1 0	000000000000000000000000000000000000000	1 0	000000000000000000000000000000000000000	1 2 0 0 5 1 0	000000000000000000000000000000000000000	0 0 0 0 0 0 1 1 1 1 1 0 1 2 2 0	0 0 0 0 0 0 1 1 1 1 1 0 0 0 1 1 0 0	0000001110021110	0 0 0 0 0 1 1 1 0 0 2 0 1 1 0	0 0 0 0 0 0 1 1 1 0 1 1 1 0 0 1 1 1 0 0 1 1 1 0 0 1 1 1 1 0 0 1 1 1 1 0 0 1 1 1 1 1 0 0 1 1 1 1 1 1 0 0 1	000000111110001000	00000011100000100	100000000000000000000000000000000000000
17 18 19 20	0	0	0	D	0	0	٥	0	0	****	****	*	DATA	INVAL INVAL INVAL	. ID -	****	••••	••••	****	****	••••	****	••••	****	******
21 22 23 24 25 26 27 28 29 30	000000000000000000000000000000000000000	0 0 0 0 0 0 1 1 0 0	000000000000000000000000000000000000000	00000000	000000000	000000000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 1 1 0 0 0	0 0 1 0 2 4	0 0 0 1 0 B 7 1 0	0 0 0 1 10 10 1	0 0 0 2 1 9 10 1	0 0 1 3 1 3 11 1	0 0 0 2 4 1 2 9 1 0	0 0 0 2 3 1 2 7 0		0 0 4 2 1 2 7 0 0	0 0 0 3 2 1 1 1 0 1	0 0 3 2 1 2 0 0	0 0 0 3 2 1 2 0 0 1	0002312000	0 0 0 1 2 1 2 0 1 0	0 0 0 1 2 1 2 0 1 0	0 0 0 0 1 0 2 1 1 2	0 0 1 2 1 2 3 0 0 0
31 MEAN	1	5 0	4 0	0	5 0	0	0	0		1	1	1	1	1	1	1	1	1	1	1	0	1	0	0	0.6

PERCENTAGE OF DATA VALID - 86.4 PERCENTAGE OF DATA INVALID - 13.6

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNITS - 0.01 PARTS/MILLION

	POLI	LUTAN		ULPINE	n Dio										-										
	STA	TION -	WC	NO 2	7038	R	OSEHI	LL RD	/MAC	DONAL	D DR.	FORT	ERI	E		MON	TH -	NOV	77						
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1 2 3 4 5 6 7 8 9	000000000	000000000	000000000	0 0 0 0 0 0 0 1	00000000	000000000	0 0 0 0 0 0 0 0	0 0 0 0 0 1 1 0	0 0 0 0 0 1 0 1	0 0 0 0 0 1 0 1	0 0 0 0 1 0 1 0 0	0 0 0 0 1 0 1 1 0	0 0 0 0 1 1 0 0 1 0	0 0 1 2 0 0 1	0 0 0 0 1 0 0 1 0	0 0 0 1 2 0 0 1 0	0 0 0 1 1 0 0 3 1	0 0 1 1 0 0 1 1	0 0 1 0 0 1 1	0 0 0 0 1 0 0 1 1	0 0 0 0 1 0 0 3 1	0 0 0 0 0 0 0 0 2 1	0 0 0 0 1 1	0 0 0 0 1 1 1	0 0 0 0 1 0 0 1 0
11 12 13 14 15 16 17 18 19 20	1 0 0 0 3 1 0 0 0	0 0 0 0 3 1 0 1 0 1	0 0 0 0 3 1 0 1	0 0 0 1 3 1 0 0 0 1	0 0 1 3 1 0 0 0 3	0 0 0 2 1 0 0 2	0 0 0 1 2 1 0 0 0 2	0 0 0 1 2 1 0 0 0 3	0 0 0 1 3 1 0 0 0 3	0 0 0 1 3 1 0 0 0 3	0 0 0 **** 3 1 0 0 0 3	. 0000	2 0 0 3 1 1 1 1	0 0 3 1 0	2010211002	1 0 1 1 2 1 1 1 0 0	1 0 0 1 2 2 1 1 0 0	1 0 0 1 1 2 0 2 0 0	1 0 0 2 1 0 0 3 0 0	1 0 0 2 1 0 0 4 0 0	0 0 0 2 1 0 0 2 0 0	0 0 0 2 1 0 0 0 1	0 0 0 2 1 0 1	0 0 0 3 1 0 1 0 0 1	1 0 0 1 2 1 0 1
21 22 23 24 25 26 27 28 29	1 1 0	0 0	0 0	0 0	1 0 0	0 0	0 0	0 0 0	0 0 0	0 0	0 0	- DA - DA - DA	TA U	INVAL INAVAIL INAVAIL INAVAIL	ABLE ABLE ABLE		0 2	0 3	1 1	2	2	3 0	1	1	1 0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	0	1	0.5

PERCENTAGE OF DATA VALID - 75.8 PERCENTAGE OF DATA INVALID - 4.3

PERCENTAGE OF DATA UNAVAILABLE - 19.9

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- "-" INDICATES DATA IS UNAVAILABLE
 - 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

UNITS - 0.01 PARTS/MILLION POLLUTANT - SULPHUR DIOXIDE STATION - WC NO 27038 ROSEHILL RD/MACDONALD DR. FORT ERIE MONTH - DEC 77 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 MEAN 0 0 000 0 0 0 0 0 0 DATA INVALID 000 000 000 000 0 0 000 00 4 o 0 0 1 2 0 0 0 0 0 2 0 0 0 0 4 0 10 0 030010 2 0 21 22 23 24 25 26 27 28 29 0 30 0 **** 0 0 0 0 0 31 2 1 1 1 0.9 1 1 MEAN

PERCENTAGE OF DATA VALID - 93.7 PERCENTAGE OF DATA INVALID - 6.3

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. "***** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

MONTHLY SUMMARY OF HOUSEY AND 2-HOURLY DATA FOR 1977

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - W.	NO 27038 ROSEHILL	RD/MACDONALD DR. FORT ERIE		
MONTE	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	25	3.0	В	12
FEB	20	2.0	7	14
MAR	22	1.0	4	7
APR	30	1.6	3	. 8
MAY	31	1.7	3	10
JUN	29	1.5	4	7
JUL	24	1.8	4	6
AUG	16	2.4	5	9
SEP	2	1.8	2	4
ост	26	0.6	3	11
NOV	22	0.5	2	4
DEC	29	0.9	2	5
YEAR	276	1,5	8	14

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1977

MONTHLY GROUP	FREQUENCY	DISTRIBUT	ION FOR 19	77			
POLLUTANT - SUL	PHUR DIO	CIDE			UN	ITS - 0.0	1 PARTS/MILLION
STATION - WC	NO 27038	ROSEHI	LL RD/MACDO	ONALD DR. F	ORT ERIE		
MONTH OO	TO 04 05	5 TO 10 11	TO 14 15	TO 25 26	TO 39 40	&OVER	TOTAL
JAN	482	133	6	0	0	0	621
FEB	445	67	2	0	0	0	514
MAR	538	11	0	0	0	0	549
APR	704	13	0	0	0	0	717
MAY	723	14	0	0	o	0	737
JUN	671	29	0	0	0	0	700
JUL	598	29	o	0	o	0	627
AUG	357	50	o	0	o	0	407
SEP	58	0	0	ο.	О	0	58
OCT	629	13	1	0	0	0	643
NOV	546	0	0	0	0	0	546
DEC	692	5	0	0	0	0	697
YEAR	6443	364	9	0	0	0	6816

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT
OF DATA
VALID
MIN
10
30
50
70
90
95
98
99
MAX
MEAN
77.8
0
0.0
0.0
0.7
1.5
3.0
4.2
5.8
6.9
14
1.5

UNITS - 0.01 PARTS/MILLION

	STA	TION	· wc	NO 2	9008	N	ORTH	PARK	HAMIL	TON						MON	тн - ,	JAN	77							
DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1 2 3 4 5 6 7 8 9	4 3 3 4 1 5 0 3	5 3 2 2 7 1 4 0 3 1	4 4 5 3 6 1 4 0 2	6 4 3 2 1 4 0 1	4 3 2 4 2 1 4 0 1	2 4 3 5 1 1 5 0 1 1	1 3 3 1 2 4 0 1	1 2 2 5 1 2 4 0 1 1	1 2 3 6 1 2 4 1 1	1 2 5 5 1 1 2 1 1	1 2 4 5 1 1 2 1	1 3 3 4 2 1 2 2 1 0	1 3 3 3 2 1 2 2 1	1 2 2 3 1 4 2 2 3 0	1 2 2 4 1 7 1 2 6	1 2 3 2 1 5 1 2 6	1 2 4 2 1 7 1 3 5 0	1 2 4 2 1 7 1 2 3	1 2 3 4 0 4 1 2 2 1	2 2 3 4 0 4 1 2 2 2	1 2 2 4 1 5 3 2 1 1	2 2 2 3 1 5 1 2	1 2 3 2 1 4 0 5	3 2 3 5 1 3 0 6 1 2	2 3 4 2 3 2 2 2 1	
11 12 13 14 15 16 17 18 19 20	2 3 5 3 2 2 2 1 6 2	2 3 6 3 2 5 1 1 4 2	3 2 6 4 2 5 1 2 6 2	2 2 6 4 4 6 4 2 5 4	2 4 5 4 3 5 5 2 2 4	2 5 4 4 3 5 6 3 2 4	2 5 5 4 4 4 6 2 2 4	1 5 8 4 4 3 6 2 3 3	2 5 7 4 4 4 6 2 2 4	6 6 3 4 3 6 2 4	2 7 5 3 4 3 5 2 3 3	2 6 5 3 5 4 7 3 6 3	4 5 6 3 4 2 6 3 5 3	4 6 3 4 2 6 4 4	4 5 5 2 3 5 4 4 4	4 5 2 3 4 6 6 2 3	5332255423	5 4 3 2 2 5 5 . 2 4	4 5 2 3 2 5 3 2 5	3523262424	4 5 2 3 2 7 2 3 1 5	5 2 2 7 2 4 2 5	3522262524	3 6 2 2 1 5 2 6 2 3	3 4 3 4 4 3 3 4	
21 22 23 24 25 26 27 28 29 30	3 1 12 4 4 3 4 3 3	5 1 0 10 4 5 3 7 3	6 1 0 10 4 6 3 5 3	7 1 0 10 4 6 3 3 3	8 2 0 1 0 3 6 3 3 4 3	8 1 0 11 4 5 2 2 3 4	7 1 0 12 4 6 2 2 3 4	7 1 0 9 5 5 2 3 2 4	6 1 10 4 3 3 2 4	7 1 2 9 3 2 3 2 4	6 1 3 10 3 5 3 3 2 4	3 1 3 8 5 3 2 5 2 3	2 2 3 6 4 2 3 4 3 3	3 2 5 5 2 3 3 3 3 3 3	4 2 5 4 2 3 3 3 2 4	3 2 4 4 1 3 3 4	2 2 3 3 2 4	1 2 4 3 1 2 3 3 2 3	1 4 3 1 2 6 2 2 2	1 2 3 3 0 2 5 3 2 2	1 2 3 3 1 2 4 3 3 2	1 1 5 4 2 3 5 3 3 2	1 7 4 4 6 5 3 2	1 9 4 4 2 5 3 3	4 1 3 7 3 4 3 3 3 3	
31	2	3	2	2	2	2	2	2	2	2	3	3	3	• • • •	••••	4	4	4	4	4	4	5	4	5	3	
MEAN	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3.1	

PERCENTAGE OF DATA VALID - 98.3 PERCENTAGE OF DATA INVALID - 1.2

PERCENTAGE OF DATA UNAVAILABLE - 0.5

NOTES 1. ****** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- *- * INDICATES DATA IS UNAVAILABLE
- 3. "***** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POL	LUTANT	- 5	SULPH	IUR DI	OXIDE								UNITS	- 0.	O1 PAI	RTS/MI	LLIO	N						
	STA	TION -	wc	NO	29008	3	NORTH	PARK	HAMI	LTON						MON	TH - F	ЕВ	77						
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	, 19	20	21	22	23	24 M	EAN
1 2 3 4 5 6 7 8 9	5 2 7 1 0 0 4 2 6	5 2 5 2 1 0 7 3 5 5	5242105254	5 2 5 1 1 0 1 1 8 3	5 3 7 1 6 0 1 2 7	5 2 6 1 4 0 1 3	4 1 4 1 3 1 0 2	3 1 4 1 4 1 0	5 2 5 1 2 2 1 3 6 2	4 3 4 1 2 2 1 6 5	2 2 4 1 1 1 5 8 1	2 4 1 1 1 4 8 2	2331102593	2 4 3 1 0 4 6 8 3	2 3 4 1 0 3 7 9	2 4 3 1 0 2 6 9 2	2 3 3 1 1 1 5 8 2	1 4 4 1 1 0 1 3 8 1	1 4 3 1 1 1 2 3 8	1 4 2 1 1 5 5 5 8 2	2 3 1 1 6 6 6 8 2	4 1 1 4 7 4 6	6 6 2 0 2 8 4 6 2	3 6 2 0 0 5 2 4 8 4	3 4 1 2 1 3 4 8 3
11 12 13 14 15 16 17 18 19 20	5 2 1 1 0 0 1 3 5 2	5 2 1 0 0 2 4 5 2	6 1 2 1 0 0 3 5 4 2	5 1 2 1 0 0 4 4 6	5 2 3 3 0 0 1 3	5 2 4 2 0 1 1 2 3	5 1 3 1 0 1 2 2 3 3 3	4 1 2 3 0 0 4 2 2 2	4 1 4 3 0 1 3 2 2 2	4 2 3 2 0 1 2 4 1 2	5 2 4 1 1 1 5 2 2	6 2 4 1 1 0 - 5 2 2	5 2 3 1 1 1 4 2 2	2 2 1	3 1 2 1 2 1 9 2 2	3 1 3 1 1 2 15 2	3 1 3 1 0 3 14 1 3	4 1 3 0 0 0 3 8 2 2	5 1 4 0 0 0 2 8 2	4 1 3 0 0 0 3 8 1 2	6 0 1 0 0 3 7	5 0 1 1 0 0 3 7 1 2	3 0 2 0 0 0 4 6 2	3 1 2 0 0 2 7 2	4 1 3 1 0 0 2 6 2
21 22 23 24 25 26 27 28	2 5 1 0 1 4 1	3 5 1 0 2 1	5 6 1 0 3	4 1 0 3 . 1 0	3 5 0 0 4 2 1	2 6 0 0 3 2	2 5 0 0 3 2 1	2 5 0 0 3 2 1	1 7 0 0 2 2 1	1 7 0 1 2 3 1	5 1 2 1 0 0	0 1 2 1 0	2 4 0 1 1 1 0 0	5 3 0 2 2 1 1	2 2 0 1 3 1 1 0	2 2 0 1 4 1 0 1	2 2 0 1 5 1 1 3	2 1 0 2 5 1 1 2	3 1 0 3 5 1 1 5	3 1 0 3 5 1 1	3 1 0 1 3 2 1 3	4 1 0 5 5 2 1 4	5 1 0 3 4 2 0 4	3 1 0 3 4 2 0 4	3 0 1 3 2 1
MEAN	3	3	3	2	3	3	2	2	2	2	2	2	2	2	2	3	3	2	2	3	2	3	3	3	2.4

PERCENTAGE OF DATA VALID - 97.2 PERCENTAGE OF DATA INVALID - 1.9

PERCENTAGE OF DATA UNAVAILABLE - 0.9

- "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT + SULPHUR C'S...DE

UNITS + 0.01 PARTS/MILLION

				20.0			201									905			0.27						
	STA	TION	- WC	NO 2	9008	7	NORTH	PARK	HAMI	LTON						MON.	TH - 1	MAR	77						
HOUR DAY	1	2	8	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1 2 3 4 5 6 7 8 9	4 6 11 2 3 5 3 4 3	1 6 2 3 6 3 4 5 5	6 8 2 3 4 - 4 5 3	4 6 5 2 4 5 5 4	3 5 4 2 2 5 3 4 11	3 8 4 2 2 4 4 4 12 2	5 10 4 2 4 3 5 4 8 2	4 10 4 1 5 2 4 4 8	1 9 4 0 4 1 4 4 8	7 4 1 3 3 2 5	5 4 1 3 2 1 3	1 4 3 0 3 3 0 2 8 4	1 4 3 0 3 2 1 5 6 4	1 4 3 0 3 3 1 5 2 4	1 5 2 0 3 2 0 4	1 5 2 0 3 2 0 4 6 4	1 5 2 0 3 2 0 5 4 4	1 5 2 0 3 2 0 5 4 3	2 5 2 4 2 0 5 4 3	4623330443	6622320.51	6 7 2 4 4 4 1 5	7 2 3 5 4 4 4 6	6 9 2 3 5 4 5 6 5 0	3 6 4 1 3 3 2 4 6 3
11 12 13 14 15 16 17 18 19	0 1 0 1 1 0 0 0	0 1 0 1 1 1 0 0	0 1 0 3 0 1 1 1 0 0	0 1 0 5 0 1 1 1	0 1 0 0 1 1 0 0	0 1 0 0 0 1 1 0 0	0 1 0 0 0 1 1 0 0	0 0 0 0 1 1 0 0	0 1 0 1 0 2 1 1 0 0	0 1 1 0 0 0	0 1 1 0 6 1 0 0 0	1 1 2 1 0 1 1 0 0	1 3 1 ••••• 2 1 0 0	1 3 1 1 1 0 0	1 2 1 0 1 1 0 0 0	1 1 2 1 0 1 1 0 0 0	1 1 1 1 1 0 0 0	1 1 2 1 1 1 0 0 0	2 1 2 1 0 1 1 0 0 0	2 0 3 1 0 1 1 0 0 0	2 0 1 1 1 1 1 0 0 0 0	1 0 2 1 0 1 1 0 0 0	1 0 1 1 0 0 0	1 0 1 1 0 0 0	1 1 1 0 1 1 0 0 0 0
21 22 23 24 25 26 27 28 29 30	0 0 1 1 0 0 2	0 1 2 1 0 2 1 0 0 1	0 1 1 0 0 0 1	0 1 1 0 0 0 1	0 1 1 0 1 0 0 0 0	0 1 1 0 0 0 0	0 1 1 0 1 1 0 0	0 1 1 0 1 1 0 0	0 1 1 0 1 1 0 0 0 0	0 1 2 0 1 1 0 0 0 0 0 0 0	0 1 1 0 1 1 0 0 2	0 1 0 1 0 4 2	0 1 0 0 1 1 0 6	0 1 0 1 1 0 6 6	1 2 1 0 1 1 1 0 5 7	2 1 0 0 2 1 0 5 6	2 1 2 0 0 1 1 0 5 5	1 0 0 1 1 0 5 5	1 0 2 0 0 2 1 0 - 4	1 2 0 0 1 1 0 5 2	1 1 0 0 1 0 0 5 2	0 1 0 0 1 2 0 0 7 2	0 1 1 0 1 0 4 2	0 1 0 1 0 0 2 2	0 1 1 0 1 1 0 3 3 2
31 MEAN	2	5 2	4 2	5 2	5 2	6 2	5 2	3 2	2	1	1	1	1	1	1	1 2	1	1 2	1 2	1	1	1 2	1	0 2	2 1.7

PERCENTAGE OF DATA VALID - 98.0 PERCENTAGE OF DATA INVALID - 1.1

PERCENTAGE OF DATA UNAVAILABLE - 0.9

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEJS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

POLLUTANT - SULPHUR DIOXIDE UNITS - 0.01 PARTS/MILLION STATION - WC NO 29008 NORTH PARK HAMILTON MONTH - APR 77 HOUR 9 10 11 5 6 8 12 13 14 15 16 17 21 22 23 24 MEAN 10 11 12 13 14 15 16 17 18 8 21 22 23 24 25 26 27 28 29 30 5 1 0 5 2 ...0 0 MEAN 2 2 2 1 1.8 2

PERCENTAGE OF DATA VALID - 94.0

PERCENTAGE OF DATA INVALID - 4.3

PERCENTAGE OF DATA UNAVAILABLE - 1.7

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEJS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNITS - 0.01 PARTS/MILLION

	STA	TION	w C	NO	29008	ķ.	NORTH	PARK	HAMI	LTON						MON'	TH - N	MAY	77						
HOUR	1	2	3	4	5	6	7	В	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23		EAN
1 2 3 4 5 6 7 8 9	2 7 9 0 2 0 0 0	2 7 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	3 5 0 0 1 0 0	3 5 0 1 1 0 1 0	3 3 0 **** 1 2 0 4 0	3 1 0 **** 1 2 0 4 0 0	3 1 0 **** 1 1 0 4 0	4 1 0 **** 1 2 0 5 0	4 1 0 0 1 3 0 3 0	3 0 1 1 2 0 3 0 1	2 1 1 1 2 1 3 0	3 1 1 2 1 2 0	2 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1	3 1 1 0 **** 1 1 3	4 1 1 0 1 1 0 1	5 1 1 0 1 1 0 1	4 0 1 1 0 1 1 0 0	4 0 1 0 0 1 0 2	5 0 1 1 0 0 1 0 0 0	5 0 0 1 0 0 0 0 0 0	6 0 0 1 0 0 0 0 0	6 0 0 1 0 0 0 1 0	0 0 0 0 0	4 2 1 1 1 1 0 1 0 1
11 12 13 14 15 16 17 18 19 20	0 2 5 1 1 1 2 4 1 2	1 2 3 1 1 1 2 2 0 2	1 2 3 0 1 1 1 2 1 1	0 1 2 0 1 1 1 2 2 1	0 1 2 0 1 1 2 1 1	0 2 1 0 2 1 2 1 1	0 7 1 1 2 1 3 1 1	1 5 1 1 2 1 10 1 0	1 4 1 1 3 1 7 2 0	2 6 1 2 3 1 5 2 1	2 5 1 2 3 2 5 2 5 1	2 1 1 2 2 4 2 4 3	1 1 2 1 3	1 1 1 1 3 2 3 2 3 2	1 1 1 1 2 2 1 4 2	1 1 2 1 2 5 1 3 2	1 1 3 2 1 3 2	1 0 1 1 14 3 1 2 2	1 1 1 1 4 4 1 1 2	2 2 0 1 1 6 4 0 1 1	3 0 1 2 6 5 0 2	1 5 0 1 3 5 4 0 2 2	1 5 0 1 1 2 2 0 3 2	1 5 0 1 1 2 4 0 2 2	1 2 3 4 1 2 2 2
21 22 23 24 25 26 27 28 29 30	1 2 2 1 1 0 1 1	1 2 2 1 1 0 1 1 1 0	2 2 2 1 1 1 0 2 1 0	1 2 2 1 0 1 0 4 1	1 0 3 1	1 0 1 0 6	2 1 0 1 0 3 1	1 2 2 1 1 1 4 0	2 2 1 1 1 1 3 0 0	1 5 2 1 1 1 1 4 0	2 5 1 1 1 3 3 0 0	1 1 1 1 2 2 1 0	2 3 1 1 1 1 2 2 0 0	2 4 1 1 1 1 2 1 1 1	2 6 1 1 **** 1 1 2 1	2 2 1 1 3 1 1 1 1 1 1 1	2 1 1 2 1 1 1 1 1	2 2 1 1 1 1 1 1 1 1 1 1 1	2 2 2 0 1 1 0 1 0 1	2 2 2 0 1 1 5 1 1 1	2 2 1 0 1 1 4 1 1 1 1	2 2 2 0 1 1 2 1 1 1 1	2 2 1 0 0 1 1 1 0 1	2 2 1 1 1 1 1 1 1 1 0 1	2 3 2 1 1 1 1 2 1 0
31	0	0	0	0		0		1 2	2	****	****	1 2	1	1	1 2	1	1	1 2	1	1	1	1	1	1	1.4
MEAN	2	1	1	1	, ,	,		2	2	*	~	~		,	-			-							

PERCENTAGE OF DATA VALID - 97.3 PERCENTAGE OF DATA INVALID - 1.7

PERCENTAGE OF DATA UNAVAILABLE - 0.9

NOTES 1. ****** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. "***** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POL	LUTANT		SULPHI	JR DI	OXIDE								UNITS	- 0.0	1 PAR	RTS/MI	LLIO	N						
	STA	TION -	wc	NO 2	29008	3	NORTH	PARK	HAMI	LTON							гн - ,		77						
HOUR	1	2	3	4	5	6	7	8	9	10	1.1	12	13	14	15	16	17	18	. 19	20	21	22	23	24 N	EAN
1 2 3 4 5 6 7 8 9	1 1 4 2 1 1 1 1	1 2 1 1 3 2 1 1 1 1 1 1	0 1 2 2 1 1 1 1 1	1 1 0 1 2 2 2 1 0	0 2 0 3 2 2 0 0 1	1 2 0 4 2 1 1 0	1 3 0 6 2 1 1 0	3 1 4 2 1	**** 2 1 5 2 1 1 ****	2 7 1 4 2 1 1 1 1 1	2 3 3 1 1 1 4	3 1 2 3 3 1 1 1 1 2	2 1 3 3 2 1 1 1 1 2	2 1 2 2 2 1 1 1	2 1 2 1 1 1 1 2	3 1 2 2 1 1 1 1 1 1	2 1 1 1 1 1 2 1 1 1	2 1 1 2 1 1 1 2 2 1	1 1 0 3 1 1 1 1 2 1 1 1	1 1 0 4 1 1 1 2 1 2	3 1 0 4 1 1 0 2 1 2	1 1 0 6 1 1 0	1 1 0 4 1 1 1 1 1 1 1	2 1 0 2 1 1 0 1 1 1	2 2 1 3 2 1 1 1 1 1
11 12 13 14 15 16 17 18 19	1 1 1 1 0 2 0	1 1 1 1 1 1 1 2 0 2	1 2 1 1 1 1 3 1 3 0	1 1 1 1 3 2 2 1	1 1 1 1 1 4 3 3 1	3 1 1 1 1 2 2 4 2	2 2 2 1 1 2 3 5	1 2 2 2 1 3 1 4 4	1 2 2 1 2 1 2 4	1 2 1 1 1 1 3	1 1 1 1 1 1 1 3	1 2 1 1 1 2 1 2 1 4	2 2 1 1 1 1 1 1 1 1 1 1 1	2 2 1 1 1 1 ***** 1 2 1 2	2 2 1 1 1 1 2 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1	1 2 1 1 2 1 1 1	1 2 1 1 2 1 1	1 1 2 1 1 2 0 1	1 1 1 1 1 1 1 1 0 1	1 1 2 1 1 1 1 0 1	1 1 2 1 1 0 1 0	1 1 2 1 2 0 3 0 0	1 1 1 1 2 0 1 0 0	1 2 1 1 1 1 1 1 1 2
21 22 23 24 25 26 27 28 29	1 5 0 1 2 1 3 0 0 1	1 3 0 0 2 0 3 0 0 2	1 2 0 0 1 0 5 0 0 1	1 1 0 0 3 0 1	1 0 0 0 1 4 0 0 2	1 1 0 **** 0 5 0	1 1 1 0 **** 0 4 0 2 3	2 1 2 0 3	1 0 3 0 0 1 3 0 3 3	1 3 0 1 5 0 3 4	1 1 2 0 1 2 6 0 2 3	1 2 2 1 1 3 6 0 2 3	1 2 1 1 4 6 0 1 4	1 1 1 1 4 5 0	1 1 3 1 4 7 1	1 2 1 3 1 4 11 1 5	1 2 1 5 1 4 4 0 1 3	0 3 1 4 1 5 2 1 1 3	0 1 1 4 2 4 3 0 1 3	0 1 3 2 4 2 0 1 3	0 1 1 4 1 5 0 0 2 3	0 1 1 4 1 8 0 0 3 3	1 1 5 1 7 0 0 2 3	1 0 0 4 1 4 0 0	1 1 2 1 3 4 0 1 3
MEAN	1	1	1	1	1.1	1	2	2	2	2	2	2	2	2	2	2	2	2	1	1	i	1	1	1	1.5

PERCENTAGE OF DATA VALID - 97.2

PERCENTAGE OF DATA INVALID - 1.3

PERCENTAGE OF DATA UNAVAILABLE - 1.5

- 2. *-* INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

	ST	ATION	-	NO	29008	3	NORTH	H PARK	HAMI	LTON						MON	тн -	JUL	77						
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	4	6	3	3	3	3	4	4	3	3	3	3	4	3	4	3	4	3	••••	• • • •	••••	2	3	5	3
2	2	3	5	6	6	6	6	4	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	2
3	1	1	1	0	0	0	0	1	1	1	2	2	1	1	2	2	3	3	3	2			2	3	1
4	5	4	3	3	3	5	4	4	3	3	4	3	3	3	3	3	3	2	2	2	2	3	3	2	3
5	2	2	2	2	2	1	- 1	****		****			****		1	1	2	2	2	2	2	1	1	2	2
6	1	- 7	1	- 1	1	1	1	1	1	1	1	1			0	0	0	0	0	0	ō	0	2	0	1
7	o	ò	ò			0	0		0	0	0	0	0	0	0	0	0	0	0	0	ō	0	0	0	0
B	ō	1	1	2	1	1		0	0	0	0	0	0	0	0	0	0	0	0	Ō	ō	1	2	1	0
9	1	ò	i	- 7	o	0	0	0	0	0 0 0	0	0	0	0	0	0	0	0	0	ō	ō	0	0	0	0
10	o	••••	o	Ó	ō	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	ō	0	0	0	0
1.1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	o
12	ŏ	ŏ	o	ő	ŏ	ō	ō	0	ĭ	1	ŏ	ō	1	ō	ŏ	ŏ	ō	ō	- 1	ī	- 7	1	1	1	ā
13	ŏ	ĭ	2	ĩ	1	1	1	ō		1	1	0	1	ī	1	1	0	ō		ò	ò	0	0	0	1
14	ō	ó	ō	0	ó	Ö	0	ō	0	1	2		2	1	1	1	1	4	4	2	- 7	3	4	4	1
15	3	3	2	2	3	3			2	2	5	2	5	2	- 1	-			- 7	- 7	3	5	3	1	غ
16	1	ř	ő	ō	ő	ő	0	0	ō	ō	- 7	- 7	- 7	2	2		- 1		- 1	- 1		1	2	2	7
16	2	ż	ž	2	3	3	4	3	2	3	2		- 4	7	- 7	- 4	1		- 1	- 1	0	ò	- 7	2	,
18	•	î	- 1	7	3	2	7	ĭ			- 7		- 1	i	- 4	- 10		2		- 1	ő	ŏ	ò	ō	7
19	i		- 1	- 1	3	2	2	2	1		,		ó	ò	ò	ò	ó	ō	- ;	ò	~	ŏ	ŏ	ŏ	4
20	ò	ò	ò	ò	0	ō	ō	ő	ò	ò	ò	0	ŏ		ŏ	ŏ	ŏ	ŏ	- 1	ĭ	Ÿ	1	ŏ	ĭ	ò
		-		-				1.00				-			_	470		-					(7)		
21	1	1	- 1	1	1	0	0	0	0	0	0	0	0		0	0	0	0	2	1	0	0	0	0	0
22 23 24 25	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0		0	0	0	0	4	o,
23	0	0	1	0	1	0			0	0	0	0	0		0	0	0	1	1	2	3	4	3	4	3
24	4	4	2	2		2	1		1	1	1	1	2	0	0	1	3	1	0	0	0	0	1	- 1	1
25	1	0	0	0		0	0		0	0	0	0	0	. 0	0	0	0	0	0	0	0	0	0	0	0
26 27 28 29	0	0	1	0		****	0	0		****		****	****	••••	0	0	0	0	0		=	Ē.	0	0	*****
27	0	0	0	0		0	••••	0	1	****	- 1	0	1	- 1	2	- 1	1	- 1	. 1	1	1	2	1	- 1	1
28	1	1	0	0		0	1	1	1	0	0	0	٥	0	0		-	- 1	****	0	- 1	0	0	0	0
29	0	0	0	0		1	1	0	0	0	1	2	3		1	1	1	1	0	٥	1	2	1	- 1	1
30	1	2	2	0	0	0	0	0	2	1	0	0	0	0	0	1	1	1	1	1	1	0	0	0	,
31	0	0	0	0	0	0	2	0	0	0	0	0	1	1	1	1	2	3	3	3	4	2	1	0	1
MEAN	1	1	1	1	1	1	ĩ	1	1	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.9

PERCENTAGE OF DATA VALID - 93.4 PERCENTAGE OF DATA INVALID - 4.4 PERCENTAGE OF DATA UNAVAILABLE - 2.2

NOTES 1. ****** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. .. INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	PO	LLUTANT	- 3	SULPH	IUR DI	OXIDE								UNITS	٠ ٥.	01 PA	RTS/M	ILLIO	N							
	ST	ATION -	WC	NO	29008	3	NORTH	PARK	HAMI	LTON						MON	TH - 7	AUG	77							
HOUR DAY	1	2	3	4	5	6	7	8	9	10	1.1	12	13	14	15	16	17	18	. 19	20	21	22	23	24	MEAN	
1 2 3 4 5 6 7 8 9	1 1 0 0 1 0 0 0	2 2 0 1 0 0 0 0 0 0	1 0 0 1 0 0 0 0	0000000	20001330100	4 0 0 1 2 2 0 0	30212000	1102220000	0 1 0 3 4 0 0 0 1 1	3 3 0 0 0 2 2	0 1 0 2 2 0 0 0 1 2	0 1 0 4 1 0 0 0 1 1	0 1 1 2 1 0 0 0 3	0 1 1 2 1 0 0 1	0 1 1 2 1 2 0 1	0112250102	0 2 1 2 2 4 0 1 0 2	0312210102	0423310002	0 3 4 3 2 1 1 0 0 2	040220000	0 2 0 0 0 0 0 2	1 2 0 0 0 1	01200001	2 2 1 0 0	
11 12 13 14 15 16 17 18 19	1 2 0 1 2 1	1 0	10.11521	2 0 1 2 6 3 2	3 0 3 1 2 7	3 2 1 0 1 1 8 6	2 0 0 1 1 7 5	101001:442	0 2 1 2 4 1	1 2	1 0 1 	1 0 0 2 1 2	1	1 0 1 2 2 1 2 1 0	0 0 2 1 1 1 1 2	2 1 1 2 0	2 1 1 3 0	0 0 1 1 1 1 1	0 0 2 2 1 3 1 0	0 1 3 2 1 3 1	0 2 1 2 1 2 1 0	0 4 1 3 1 1 0 2	1 1 1 1 1 1 0	020	1 2 1 1 1 3 2	1
21 22 23 24 25 26 27 28 29 30	0 1 6 0 0 1 1 2 0 0	0 7 0 0 1 1 2 0	0 0 3 0 0 1 1 0 0	0020011100	0 3 3 0 0 1 1 1 0	0 5 0 0 1 1 1 0	0 4 1 0 0 1 1 2 0 0	0 1 1 0 0 1 1 1 0 0	0 1 1 0 1 1 1 2 2 0	0 1 1 1 1 1 2 2	0 0 1 2 2 1 1 2 2 0	1 0 0 1 2 1 1 1 2 0	1 0 1 0 2 1 1 1 2 1	1 0 0 0 2 1 1 1 0	1 0 0 0 1 1 1 1 1 0	1 0 0 0 1 1 2 1 1 0	1 0 0 0 1 1 2 1 1 0	0 1 0 0 1 1 2 1 1 0	0 1 0 0 1 1 2 1 1	0100212100	0 2 1 0 2 1 1 0 0 0	0 4 0 0 3 1 1 0 0	0 3 0 0 0 2 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 4 0 0 0 2 1 1 0 0 0	1 1 0 1 1 1	, , , , , ,
31 MEAN	0	0	0	0	0	0 2	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1.0)

PERCENTAGE OF DATA VALID - 95.0

PERCENTAGE OF DATA INVALID + 4.8

PERCENTAGE OF DATA UNAVAILABLE - 0.1

- 2. .- INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEJS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNITS - 0.01 PARTS/MILLION

	51	ATION	- wc	NO	29008	3	NORTH	PAR	HAM1	LTON						MON	TH -	SEP	77							
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	1	2	1	1	1	1	1	4	9	-1	****	2	2	2	2	2		****	0	0	0	0	0	0		
2	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0		0		
3	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0			4
4	0	0	0	0	0	1	1.	2	2	2	1.	1	1	1	. 1	1	1	1	0	0	1	1	- 1	0		
5	1	2	1	2	2	4	5	2	2	1	. 1	1	1	1	0	1	0	0	0	0	0	0	0	-	1	i.
6	0	0	1	0	0	0	0	0	0	****	****	1	1	1	1	1	1	1	2	- 1	1	1	1	0	1	
7	1	1	2	3	2	1	1	2	1	2	2	1	1	0	1	1	0	0	- 1	0	0	0	0	1	1	ď
8	- 1	0	0	1	1	0	0	0	1	0	0	0	****	****	****	****	****	****	****	****	****	****		****	*****	4
9	****	**** *	***	****	****	****	****	****	****	****	****	3	3	3	2	3	3	1	1	- 1	- 1	1	1	1	*****	ě.
10	2	7	9	7	9	5	4	5	4	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	3	į
11	1	1	1	1	3.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1		8
12	1	1	1	1	2	2	5	7	7	****	5	4	3	3	3	4	3	3	4	5	3			2		k
13	2	2	1	1	1	1	1	1	1	- 1	1	1	1	1	1	- 1	1	1			*:		1	1		ř
14	1	1	1	1	- 1	1	1	1	1	1	1	1	1	1	1	1	2.00		1	0	1	0	1	1		r
15	1	1	1	1	1	0	1	1	1	2	2	2	2	1	1	- 1	1	1	1	1	1	1	1	1		Ė
16	1	1	1	1	- 1	1	1	1	1	1	****	1	1	1	1	2		3	3	2	2	3	2	3		
17	3	3	3	3	7	4	5	5	3	3	3	2	2	2	2	1	- 1	1	1	1	1	1	1	1	- 2	ŧ
18	1	1	1	0	- 1	1	1	2	3	2	3	3	1	. 1	1	1	1	1	1	1	1	1	1	1	1	į.
19	1	,	- 1	- 1			1	1	1	- 1	1	1	****	1	1	1	1	1	1	1	1	1	1			į.
20	1	1	1	1	Ť	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	0		i
21	t	0	0	0	0	0	1	2	2	1	1	4	4	2			1	1	0			1	0	0		1
22	0	0	0	0	1	1	1	0	2	5	****	1	1	1	2		- 1	1	1	1	0	0	0	0		
23	0	0	0	0	1	0	1	1	****	0	0	0		0			0		0			0	0	0		
24	0	0	0	0	0	1	1	0	0	0	0	0		0					0			0	0	0		
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0		
26	i	0	0	0	0			0	0	0	0	1	2	1	1	1	1	3	4	****	3	2	2	3		t
27	3	4	4	4	4		4	4		****	1	- 1	1		1	2	1	1	1	1	1	2	3	1		2
28	2	0	0	0			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0
29	î	ő	ő	o	0		1	2		5	2	1	1	1	3		2	2	2	2	3	2	1	2		2
30	2	2	2	1	2		6	4		4	3	4	2	1	0		0	0	• • • • •			****	****	****		3
MEAN	1	1	1	1	1	1	2	2	2	1	- 1	1	1	1	1	1	1	1	1	1	1	1	1	1	1.	1

PERCENTAGE OF DATA VALID - 92.9

PERCENTAGE OF DATA INVALID - 5.4

PERCENTAGE OF DATA UNAVAILABLE - 1.7

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. *- INDICATES DATA IS UNAVAILABLE
 - 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

POLLUTANT - SULPHUR DIOXIDE UNITS - 0.01 PARTS/MILLION STATION - WC NO 29008 NORTH PARK HAMILTON MONTH - OCT 77 HOUR 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 MEAN DATA INVALID 3 4 5 6 7 8 9 7 5 0 0 3 0 0 1 0 0 0 0 0 0 6 **** 12 13 14 15 16 24 25 ō 27 D MEAN

PERCENTAGE OF DATA VALID - 90.6

PERCENTAGE OF DATA INVALID - 8.7

PERCENTAGE OF DATA UNAVAILABLE - 0.7

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - SULPHUR DIOXIDE UNITS - D.01 PARTS/MILLION

						0	-																			
	51	TATIO	N - W	no.	29008	3	NORT	H PARE	(HAM	LTON						MQ	NTH -	NOV	77							
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	. 19	20	21	22	23	24	MEAN	
1	0	0	1	0	1	1	1	2	1	2	2	1	2	2	2	2	3	1	2	1	1	1	0	0	1	
2	1	0	0	19		1	1	0	1	1	1	2	2	3	3	2	1	2	1	1	0	0	0	0		
3	1	0	0	0	0	0	0	1	1	0	0	0	1	1	0	1	1	1	1	- 1	1	0	1	0	1	
4	1	0	0	0	1	0	1	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
5	0	****		****						****				***	****	****				****	****	****		****	*****	
6	****	****					****	****		****	****		****	****				****	0	0			0	0	*****	
7	0	0	0	0	0	0	0	0	0	0	- 1	0	0	0	0	0	****	****	1	0	0	0	0	0	0	
8	0	0	0	0	1	0	0	1	0	****	0		0	0	0	0		0	0	0	0	0	0	0	0	
9	0	0		*	100	0	1	0	1	2	1	1	2	1	1	1	1	1	-	****	1	1	1	1	1	
10	1	1	- 1	1	1	1	1	1	1	1	3	3	4	4	4	4	5	5	5	5	5	4	4	5	3	
11	5	5	5	5	5	4	5	6	4	4	4	4	4	4	4	4		5	6	5	6	5	5	7	5	
12	3		2	- 1	- 1	1	1	- 1	- 1	- 1	- 3	0	0	0	0	0	****	****	****	****	****		••••	****	1	
13	2		1	1	1	1	1	1	1	1	- 1	1	1	1	- 1	_ 1	. 1	1	1	1	1	1	1	1	1	
14	1		1	1	2	2	3	3	3	3	4	3	3	5	4			5	5	3	3	5	4	5	3	
15	5			3	6	7	5	****	8	****	****		****	5	4	3		2	3	3	10	6	5	6	5	
16	9		5	6 2 5	6 6 2	7 5 3	3	3	3	3	3	4	3	2	3	2			3 2 5	2	2	3	4	3	4	
17	1	1	1	2	2	3	6	5	5	****	****	4	4	5	4	3	1	3	5	4	5	5	5	4	4	
18	4	5	5			5	5	5	5	5	5	-	5	5	4	4	4	3	4	4	5	5		5	5	
19	4	5	5	5	4	4	4	4	5	5	4	3			3		2	2	1	. 1	1	0	0	1	3	
20	1	0	1	0	1	1	0	0	0	1	0	0	0	0	0	****	****	****	****	****	****		• • • •	****	*****	
21		****					****	2	2	****	****	3	1	0	****	1	- 1	2	1	2	3	3	2	2	*****	
22	1	1	1	0	1	2	2	1	2	1	1	****	- 1	1	0	0			0	0	0	0	0	1	1	
23	o	0	0	0	0	D	0	0	0	0	0	1	0	0			0		0	0 0 3	3	4	5	6	1	
24	5		3	3	4	4		3	4	4	3	3	3	3	4	3	3	3	3	3	3 3 0	4	5 0 5	0		
25 26 27	0	0	1	1	0	0	0	0	0	0	1	1	- 1	1	1		1		1	4	3	4 3 0 0	5	4		
26	3	3		1	1	0	0	0	0	- 1		-1	1	1	0	0	0	0	0	0	0	0	0			
27	0	0		0	0	0	0	0	0	0	1	- 1	2	1	1	1	0	0	0	0	0	0	0	0	0	
28	ō	o			0	4		6	5	5	5	5	5	5	6	6	0 5 2	0	3 0 0 5 2	5	4	5	7	7		
29	8			6		3				3		5	4	2	2	2	. 2	2	2	3		3	3	2	4	
30	1	٠	2			2		1	•		1	1	1	1	0	0	0	0	0	1	1	1	1	1	1	
MEAN	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2.0	

PERCENTAGE OF DATA VALID - 86.7 PERCENTAGE OF DATA INVALID - 11.8

PERCENTAGE OF DATA UNAVAILABLE - 1.5

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POL	LUTAN	r · s	ULPHU	R DIO	XIDE							Ų	NITS	. 0.0	OI PAR	RTS/M	ILLIO	N						
	STA	NOIT	. wc	NO 2	9008	N	ORTH	PARK	HAMI	TON						MONT	тн - р	DEC	77						
HOUR DAY	1.	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 M	EAN
1 2 3 4 5 6 7 8 9	0235000401	0336100300	0 3 7 0 0 0 6 2	0345001230	0 3 5 0 0 2 1 4 0	0326002120	0 3 4 5 0 0 2 0 5 0	0 2 3 4 1 0 3 1 6 1	0 2 4 4 1 0 2 0 6 0	0234001250	1 3 1 3 0 0 0 4 4	5 3 0 1 0 0 0 3 4 0	3 3 0 0 0 2 3 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	3 0 0 1 0 0 1 3	2 3 0 0 1 0 1 1 2 0	2 3 0 0 1 0 1 1 2 0	2 3 1 0 0 1 1 4	2 4 0 0 0 3 1 5 0	2 4 4 0 0 0 4 1 5 0	3 5 0 0 7 0 5	2 4 5 0 0 0 4 1 8	3 4 5 0 0 0 5 0 7 0	3 5 1 0 4 0 2	1 3 3 2 0 0 2 2 4
11 12 13 14 15 16 17 18 19	0 2 4 5 1 3 1 0 0	1 4 4 3 0 2 1 1 0 0	1 3 5 1 0 2 1 1 0	0 2 3 1 0 2 1 1 0 0	0 1 2 1 0 2 1 1 0 0	0 2 4 1 0 1 1 1 0 0	0 3 4 1 0 4 1 1 0 0	3 2 1 0 6 1 1	2521061100	1 6 2 1 1 3 1 0	1 5 2 0 1 2 1 1 0 0	1 5 2 1 1 2 1 0 0	1 4 2 0 1 2 1 1 0 0	1 3 2 0 1 2 1 0 0	0 4 2 1 0 2 1 0 0 0	0 5 2 0 2 1 1 0 0	0 5 2 0 3 1 1 0 0	1 5 1 0 6 1 1 0 0	0 4 2 0 4 1 1 0 0	1 6 1 0 5 1 1 0 0	1 6 1 0 4 1 1 0 0 0	3 4 1 0 1 1 0 0	3 4 1 0 4 1 1 0 0	3 4 2 0 5 1 1 0 0 1	1 4 2 1 2 2 1 1 0 0
21 22 23 24 25 26 27 28 29	1 2 5 5 1 2 3 5 5 2	2365334862	1 3 7 5 3 4 7 6 2	1 4 9 4 3 2 3 6 5	3 7 3 2 3 3 7 4	2 4 8 3 2 3 4 4	1 5 8 4 2 2 3 8 5 1	1 5 7 4 2 3 4 6 5	1 5 6 3 2 2 5 6 5 2	1 5 7 2 2 4 5 5 2	1 7 6 3 2 2 3 4 5 3	1 5 6 2 1 2 2 3 4 2	1 4 7 3 2 2 2 3 5 2	1 4 4 4 2 2 3 3 5 2	1 3 4 3 1 3 2 3 4 2	1 3 2 2 3 3 3 4 2	1 3 1 1 3 3 4 3 3	2 3 4 0 1 3 3 3 3	3 3 1 2 3 3 2 4 3	3330243343	3 4 4 0 2 3 3 3 4	3 5 1 2 2 5 3 4 1	2 6 5 1 2 2 4 4 4 1	2651236532	2463233542
31 MEAN	1	1	1	1	1	1 2	1	2	1 2	1	1	1 2	1	1 2	2 2	1 2	1	1 2	1	1	1 2	1	1	2	1 2.1

PERCENTAGE OF DATA VALID - 99.2 PERCENTAGE OF DATA INVALID - 0.1

PERCENTAGE OF DATA UNAVAILABLE - 0.7

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEJS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1977

POLLUTANT - SULPHUR DIOXIDE

OF DATA

UNITS - 0.01 PARTS/MILLION

STATION - WC	NO 29008 NORTH PARK	HAMILTON		
MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	3.1	7	12
FEB	28	2.4	В	15
MAR	31	1.7	6	12
APR	28	1.8	5	9
MAY	31	1.4	4	14
JUN	30	1.5	4	11
JUL	30	0.9	3	6
AUG	30	1.0	3	8
SEP	28	1.1	3	9
ост	29	1.7	6	12
NOV	26	2.0	5	10
DEC	31	2.1	6	9
YEAR	353	1.7	8	15

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1977 UNITS - 0.01 PARTS/MILLION POLLUTANT - SULPHUR DIOXIDE STATION - WC NO 2900B NORTH PARK HAMILTON MONTH 00 TO 04 05 TO 10 11 TO 14 15 TO 25 26 TO 39 40 80VER TOTAL JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC YEAR FREQUENCY DISTRIBUTION BY PERCENTILES PERCENT CONCENTRATIONS
FREQUENCY DISTRIBUTION. PERCENT
MIN 10 30 50 70 90 95

95.0 0 0.0 0.1 0.7 1.7 3.9 4.9 6.3

ARITH MEAN

1.7

7.4

UNITS - 0.01 PARTS/MILLION

														UNIT	s - o.	01 PA	RTS/M	ILLIC	N						
	\$1	ATIO	N - 12	NO.	29025	5	BARTO	N/WEN	TWORT	H HAN	ILTON	ı					тн - ,								
HOUR	1	2	3	4	5	6	7	В										UAN	77						
DAY					-	·			9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	1	1	1	1	î		1			_											
2	1	1	1	1	1	1	2	2	2	2	2		- 1	2	1	1	1	1	1	1	1	1	1	1	
4	2 5	2	3	2	1	2	2	2	4	4	4	3	3	2	2	2	2	2	2	2	2	2	1	1	
5	2	4	5	5	5	4	3	3	2	2	2	ž	2	5	-	4	4	4	3	2	2	3	3	4	3
6	3	4	2	2	2	2	3	3	3	2	2	2	2	ī		•	- 1	1	1	1	1	1	2	1	2
7	4	3	3	2	6	6	5	4	5	6	3	2	2	• • • •	7	7	ė	7	5	1	1	2	2	3	2
8	2	2	3	3	2	2	4	3	3	2	2	1	1	1	í	- 1	٠	- 4	5	3	5	4	3	3	5
9	4	3	3	2		- 2	3	3	4	3	2	3	3	2	3	2	3	2	1	1	0	1	1	1	2
10	2	2	2	2	2	2	2	2	1	1	1		1	1	4	6	ě	5	2	3	2	3	4	4	3
		-	-		•	2	2	1	1	1	1	1	2	1	1	1	1	ĭ	3	•	3	3	2	2	3
11	1	1	1	3	i	- 1	1		_								-					,	1	1	- 1
12	2	2	1	î	2	3	3	0	0	1	1	1	1	1	1	1	1	1	1	1	1.3				
13	1	1	1	1	2	ĭ	2	2	3	3	3	3	2	2	2	2	1	1	1	i		1	2	2	
14	4	5	5	7	8	9	B	8	á	-	3 5	3	4	3	3		3	2	3	3	á	3	-		2
15	5	5	4	4	3	3	3	2		4	2	3	6 •	***	****	5	6	6	6	8	7	7	2	6	5
16	1	1	1	1	1	ī	ī	1	7	2	2	2	3	3	3	2	2	2	2	2	2	2	2	٠	
17 18	2	2	2	2	2	2	i	,			2	3	1	1	2	1	1	2	2	2	2	2	5		3
19	2	1	2	5	4	4	4	4	4	4	3	2	3	3	3	3	3	3	2	2	2	3	3	3	2
20	3	3	3	3	3	3	3	3	3	4	5	4	3	2	2	2	2	20		2	2	3	2	3	3
20	2	2	2	2	2	2	2	2	2	2	3	3	4 .		3	2	2	2	2	2	2	2	2	2	3
21	2	3	4	4	4	4	4								3	4	2	2	2	3	3	3	4	3	2
22	8.	5	5	5	4	3	3	3	4	3 '	• • • •	3	3	3	2	2	2	2	2	2	1	20	20	_	
23	2	2	3	3	2	4	3	3	3	3	3	3	3	4	4	2	4	4	ā	4	3	3	2	2	3
24	9	9	10	11	10	11	9	ě	2 8	3	3	3	4	6	5	6	5	5	5	5	5	5	2	9	3
25	4	5	5	5	4	5	5	5	5	,	7	7	7	6	6	6	6	5	6	6	6	6	-	5	4
26	1	1	1	1	1	2	1	2	2	2	2	2	4	3	3	2	2	2	2	1	ĭ	ĭ	ï	•	7
27 28	2	2	2	2	2	2	2	2	2	2	2	2	2	4	3	2	•	2	2	2	2	3	3	ż	2
29	3	3	3	2	3	3	3	3	4	5	6	4	2	2	2	2	1	2	2	2	2	2	2	3	2
30	2	2	2	2	2	2	2	2	2	3	2	3	2	2	2	1	1	1	1	1	1	1	2	1	5
30	2	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	2
31	1	1	1	2	2	2	2	2	2	2	2		-			-			1	1.	1	1	1	1	2
MEAN	3	3	3	3								2	2 •	•••	2	2	2	2	2	2	2	2	2	1	2
	-	•	3	3	3	3	3	3	3	3	3	3	3	2	3	3	3	2	2	2	2	2	3	2	2.6
PERCENT	AGE O	F DAT	A VAL	ID -	98.3		P	ERCEN	TAGE	0E 0A	TA 140	VALID		_										754	2.0
NOTES 1			14010						35	U. DA	IM IN	VALID	- 1	. 2		PER	CENTAC	GE OF	DATA	UNAVA	AILAB	LE +	0.5		

NOTES 1. ****** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. -- INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEJS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POI	LLUTAN	IT - :	SULPI	HUR DIO	XIDE																				
		TION			29025									UNIT	s · o.	D1 P4	RT5/N	ILLLIO	N							
V-2-1-2				NO	29025		BARTO	N/WEN	TWORT	Н НАМ	ILTON					MON	TH -	EED								
DAY	1	2	3	4	5	6	7	8	9	10	11	12						760	77							
2.21									-		• • •	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	1	1	1	1	1	1	1																		ME AIN	
2	1	1	1	1	1	- 2			- 1	,	1	2	2	2	2	2	-									
3	6	5	5	4		5	- 1	1	1	2	2	2	2	3	3	•	-	2	1	. 1	1	1	1	1	•	
4	1	1	7	- 4	2		4	4	3	4	4	4	3	3	2		2	4	3	2	2	4	6	6		
5	2	- 2		2	1	2	2	2 6 2	1	****	2	2	~	2			1		1	1	- 1	- 7	·		2	
6	2	2		3	8	7	8	6	5	4	3	3			2	2	1	1	1	•			- 1		3	
~			2	2	2	2	2	2	ž	2	3		2	2	2	3	3	3		3	2	1	2		1	
	2	2	2	3	3	3	2	2	2	3	2	2	2	2	2	2	2	2	3		3	• • • • •		2	4	
8	5	2	2	2	2	2				3	3 2 3 4	3	3	3	3	2	-	5	2	2	2	2	1	2	2	
9	5	6	6	6	è	7			3	4		5	6	6	7	5	3	- 2	2	2	2	2	1	2		
10	5	4	3	3	0	7	7	5	5	6	7	7		ž			4	4	2 2 3 5	3	4	4	4	7	•	
	-	-	3	3	3	4	5	5	5	4	4	Ä	•	3	7	7	6	5	5	5	5	5	- 2	2	4	
11	5			1000					-		- 3	-	4	3	3	4	4	4	2	2	3	3		5	6	
12		6	5	5	4	4	4	4	4	4	124	14							-	-	3	4	4	4	4	
13	2	2	2	2	2	2	2	2	2	3	4	4	4	• • • •	3	3	2	2	2		100	-				
13	3	3	3	2	2	2	2	-			3	3	3	4	4	3	3	2		2	2	2	2	2	3	
14	2	-1	2	1	7	7	- 7	-	2	2	2	2 2	2	1	1	1	ĭ	•	- 2	3	2	3	3	3	3	
15	1	2	2	2	2	2	,	- 1	1		2	2	2	2	2					1	1	1	1	1		
16	2	2	2	5	2	2	2	2	2	2	3	3	3	- 7	3	- 2	2	1	1	1	1	1	1	3		
17	2	2	•	5	2			2	2	2	2	2	2	2		3	2	2	1	1	1	-	2	3	1	
18	3	•	-	3		2	2	2	3	2	-		2		2	2	2	2	2	1	2		•		2	
19	2	7	2	-	3	4	4	5	5	7	9	7				2	3	3	2	3	2		-	- 1	2	
20	3	3	2	2	2	2	2	2	2	ż			8	8	8	7	7	6	6	ĕ	5	2	3	3	2	
20	3	3	3	3 *	*** **		4	7	2	1	4	2	2	2	2	2	2	2	3	2			3	3	5	
							7	-	*	4	3	3	2	2	2	3	3	5	3	2	2	2	2	2	2	
21	4	6	8	6	5	4			_						-	-	-	-	3	2	2	2	2	2	3	
22 23 24	5	4	4		3	7	7	3	3	3	2	2	6	11	2	•		120								
23	6	7	-	3 6 5	7	4	3	4	4	5	6	5	5	5		2	2	6	2	2	2	2	2	3		
24	5	è	4	9		6	3	4	4	5	4	5	5		5	4	4	6	7	5	4	3	3	ž	4	
25	ĭ		2	5	5	4	4	6	5 *			5	-	7	7	6	6	6	5	6	-	6	3	3	4	
26		1	1	1	1	2	2	1	4	1	2	2	4	3	3	4	6	2	2	2	3	2		5	6	
20	1	1	0.00	100	2	2	2	ż	÷		4	2		2	2	1	1	7	-	-	1	2	1	1	4	
27	4	4	3	3	4		-	5	2	2	2	2	2	2	2	2	2	2	4	1	1	1	2	2	1	
28	1	1	2	2	2	2	7		3	4	2	3	2	3	5	3	2		2	1	1	3	3	4	ò	
			-		-	4	1	2	1	2	2	-	5	2	5	3	-	2	1	2	2	1	1	1		
MEAN	3	3	3	2									•	•	2	2	2	1	2	2	2	2	1	9	3	
	-70		3	3	3	3	3	3	3	3	3	3	•		100						-	-	- 2		2	
									-	-	•	•	3	4	3	3	3	3	2	2	2	2	2	2		
																		-		4	~	2	2	3	2 0	

PERCENTAGE OF DATA UNAVAILABLE - 0.9

PERCENTAGE OF DATA VALID - 97.5 PERCENTAGE OF DATA INVALID - 1.6 NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEJS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNITS - 0.01 PARTS/MILLION

	STA	TION	- WC	NO 2	9025	В	ARTON	/WENT	WORTH	HAM H	LTON					MON	TH - 1	MAR	77						
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 1	MEAN
1 2 3 4 5 6 7 8 9	2 1 3 10 2 2 1 4 2	2 1 4 7 2 2 2 1 4 2	2 1 4 6 2 2 1 3 2	2 4 6 2 . 1 3 2	2 4 5 2 2 1 4 2	2 2 4 5 2 2 2 1 4 2	2 2 4 5 2 2 1 1 4 2	2 2 4 4 2 2 1 1 4 1	2 3 4 4 2 2 1 2 4 1	2 3 6 4 2 2 1 2 4 2	2 3 8 3 2 2 2 3 4 2	229*** 222353	2 2 9 3 2 2 2 3 5 3	2 9 3 2 2 4 4 3	2 2 7 3 2 2 2 4 3 3	2 2 6 3 2 2 4 4 3	1 3 6 3 2 2 4 3 3	1 2 5 3 2 2 2 3 2 2	1 2 5 2 2 1 3 2 2	1 2 6 2 2 2 2 2 2 2	1292222	1 2 10 2 2 1	2 10 2 2 2 1 3 2	1 2 10 2 2 2 2 1 3 2	2 2 6 4 2 2 2 2 3 2
11 12 13 14 15 16 17 18 19	2 8 3 1 1 2 1 1 1 1 1 1	2 5 2 1 0 1 1 2 1 1	2 3 2 0 1 2 1 3 1 1	2 3 3 1 1 2 1 2 1 1	1 4 2 0 1 2 1 3 1 2	2 3 2 1 3 2 1 3 1 4	3 2 3 1 3 1 1 2 1 4	3 3 1 3 1 1 2 2 4	3 1 1 1 1 3 4	6631121232	6 10 4 1 2 2 2 2 2 2 3	9 12 5 2 2 2 2 1 3	10 12 4 2 **** 2 2 3 2 4	14 10 3 2 3 2 2 4 1 3	13932321422	14 5 3 2 5 2 1 5 2 1	17 5 2 7 1 1 2 2 2	11 3 2 1 5 1 1 2 2	9 3 2 1 5 1 1 2 2	12 2 1 1 5 1 1 1 3 1	7 2 1 1 4 1 1 1 3 1	10 5 1 1 2 1 0 1 2 1	9 3 1 1 2 1 1 1 1 1 1	4 5 0 1 2 1 1 1 1	7 5 2 1 3 2 1 2 2 2 2
21 22 23 24 25 26 27 28 29 30	2 8 3 2 1 2 2 3 2 1	2 11 2 1 1 2 2 3 3 2	2 8 2 1 2 3 2 3 3 1	262233732	1 6 2 1 3 4 3 11 2 2	2 6 2 1 3 4 3 5 2 1	1 6 2 1 2 5 3 4 2 4	2 6 2 1 2 3 3 4 2 4	3 5 2 1 4 10 4 3	3 7 2 1 2 1 8 6 3	3 10 2 1 2 2 11 6 4 6	3 4 1 1 2 1 16 8 4 3	3 1 1 1 1 1 15 9 3	3 1 1 1 2 9 8 2 3	3 2 1 1 1 1 7 2 3	2 2 2 1 2 10 11 2 3	3 2 1 1 9 8 2 3	3 2 2 1 1 7 9 3	3 2 1 2 1 2 9 4 - 2	3 1 1 1 1 8 3 2 3	1 2 1 1 2 0 3 2 3	2 2 2 1 2 1 7 2 2 2	6 2 2 1 2 2 2 2 2	8 3 2 1 **** 1 3 2 2 2	3 4 2 1 2 2 7 6 2 3
31	2	2	2	2	2	2	2	3	1	2	2	2	2	2	****	3	1	1	1	1	1	1	1	1	2
MEAN	3	2	2	3	3	3	3	2	3	3	4	4	4	4	3	4	3	3	3	2	2	2	2	2	2.8

PERCENTAGE OF DATA VALID - 98.5 PERCENTAGE OF DATA INVALID - 0.7

PERCENTAGE OF DATA UNAVAILABLE - 0.8

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. "***** INDICATES LEJS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POLL	UTANT	- S	ULPH	UR DIO	XIDE								UNITS	- 0.	01 PA	RTS/MI	LLIO	N						
	STAT	ION -	WC	NO	29025		BARTO	N/WENT	WORTH	I HAMI	LTON					MON'	TH - 1	APR	77						
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 N	EAN
1 2 3 4 5 6 7 8 9	1 8 2 4 4 1 1 2	1 7 2 6 5 1 1 1 2 2	1 7 2 4 1 1 1 1 1 1 1	1 9 1 5 1 1 1 2 2	1 11 2 4 1 1 2 1 3	1 13 1 5 1 1 2 1 2 2	1 1 2 5 1 1 2 2 2 2 2	2 10 1 5 1 1 1 1 2 3	4 8 1 5 1 1 1 2 2 3	3 7 1 5 1 1 2 2	3 8 1 5 1 1 2 2 2 4	7 8 1 5 1 1 2 2 1 4	7 13 1 5 1 1 2 2 1 3	4 6 1 6 1 **** 2 1 3	5 4 1 6 1 1 2 2 2 3	4 4 5 1 1 2 2 4	4 1 2 2 4	8 2 2 1 1 2 2 1 4	7 6 5 3 1 1 2 2 2 4	5 7 6 3 1 1 2 2 1 3	7 2 10 4 1 2 1 1 1	7 2 3 8 1 1 2 1 1 4	7 2 4 6 1 1 2 1 2	6 2 1 3 1 1 2 1 2 4	4 7 2 5 1 1 2 2 2 3
11 12 13 14 15 16 17 18 19	5322332353	5321322242	6 3	6 3 2 1 2 2 3 5 4 2	7 1 2 1 2 2 4 9 3	7 1 2 1 1 3 4 7 4 2	7 1 2 1 2 2 6 6 5 4	5 3 2 1 2 5 4 2 6 5	4 1 2 1 3 4 7 2 10 3	3 1 2 1 9 6 9 5	3 2 2 3 11 6 8 3 8 3	3 1 2 5 11 4 11 5 12 6	3 1 2 5 9 3 10 3 8 12	3 1 2 4 6 2 12 3 7	3 2 2 5 3 2 9 1	3 2 3 4 3 2 13	3 2 3 2 10 2 11	3 2 4 3 2 4 5 16	1 3 2 5 8 2 4 6 16	1 2 7 10 2 1 5 5	3 2 2 4 2 2 2 3 4	3 2 2 2 2 2 4 5	3 1 2 1 2 5 2 3	3 2 2 1 2 2 8 4 2 2	4 2 2 3 4 3 6 4 7 6
21 22 23 24 25 26 27 28 29 30	3 1 1 10 ** 0 1 1	3 1 1 1 1 1 1 2 1 1 1	3 2 1 2 0 1 1 2 1 1	3 2 4 1 0 1 1 1	3 2 **** 1 1 1 1 1 2	4 2 3 1 1 0 1 1 1 2	4 1 2 0 0 0 1 1 1	3 1 3 - 1 0 1 1 1	4 1 3 - 1 2 1 1 1 2	4 1 4 5 1 2 ***	4 1 4 5 2 1 1 1	5 1 5 4 2 *** 1 2 1	5 1 5 2 2 7 1 2	**** 0 5 2 1 3 2 2 2	3 0 6 4 2 3 2 2 1	3 0 6 4 2 4 2 2	3 6 2 1 3 2 2 1	3 0 4 4 1 2 2 1 1 2	3 0 4 1 1 2 2 1	2 0 5	1 0 6 2 1 1 1 2 1	1 0 7 0 1 0 2 2 1	1 1 8 0 1 0 2 2 1	1 12 1 0 1 1 1 1 1 1 1 1 1 1 1 1	3 1 5 3 1 2 1 2 1 1
MEAN	3	2	2	2	3	3	3	3	3	3	3	4	4	4	3	4	3	3	4	3	3	2	2	2	2.9

PERCENTAGE OF DATA VALID - 96.7 PERCENTAGE OF DATA INVALID - 1.7

PERCENTAGE OF DATA UNAVAILABLE - 1.7

- 2. *- " INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEJS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - SULPHUR DIOXIDE

UNITS . O. D1 PARTS/MILLION

	STA	TION		NO .	29025	E	BARTON	/WEN	TWORT	н ная	ILTON					MON	TH 5 1	YAN	77						
HOUR	1	2	3	4	5	6	7	8	9	10	1.1	12	13	14	15	16	17	18	19	20	21	22	23	24 M	EAN
1	1	1	2	3	4	4	3	3	2	3	4	4	4	4	4	4	3	3	3	4	3	3	4	4	3
2	4	4	3	2	2	1	1	2	1	1	1	•	-	1	1	1	1	1	1	1	1	2	1	1	2
3	1	1	1	2	3	8	9	6	6	7		-	6	6	4	4	5	3	5	7	3	4	5	3	5
4	5	5	3	3	4	5	7	9	10	8	7	8	5	6	9	7	6	9	*	13	8	7	9	10	7
5	3	4	3	2	2	2	2	6	3	6	12	7	7	4	3	5	6	7	4	2	1	2	1	1	4
6	1	2	2	2	2	2	2	2		2	2	2	2	2	1	1	1	2	2	2	2	1	1	1	2
7	1	1	1	1	1	1	1	1	1	1	2	3	6	7	3	3	3	2	2	1	1	1	1	1	2
8	1	1	1	0	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
9	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4	1	1		1	1	1	1	1	1	1
10	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4	3	2	2	1	1	1	1	1	1	1
1.1	1	1	1	1	1	1	1	3	2	6	7	4	2	1	2	6	2	1	2	2	••••	1	1	1	2
12	1	1	1	1	1	1	1	1	1	1	1			1	1	1	2	2	2	1	1	1	1	1	1
13	1	1	1	2	2	2	2	1	1	2	1		1	1	1	1	1	1	1	1	1	0	0	0	1
14	0	0	0	1	1	1	2	3	3	3	1		11	8	4	3	4	8	4	7	1	1	0	1	3
15	0	0	2			1	1	1			4	5	4	. 2	1	1	0	0	0	ì	1	1	1	1	ì
16	1	1	1	1	1	1	2	3	3	2	4	6	15	13	8	5	3	3	3	3	2	2	2	2	4
17	2	2	2	2	3	3	3	3	3	3	3	3	2	2	2	2	2	2	3	2	3	2	3	2	2
18	2	2	2	2	2	2	1	1		1	3	2	2	2	2	3	3	3	3	3	3	2	2	2	2
19	2	2	1	1	1	1	1	1	1	2	5	4	5	6	6	3	3	3	3	3	2	2	2	2	3
20	2	1	1	1	1	1	1	2	2	5	4	3	5	8	10	7	4	5	3	3	2	6	11	7	4
21	2	2	1	1	1	1	1	1	3	5	12	9	11	8	12	6	9	14	12	7	4	3	2	3	5
22	2	4	3	3	2	2	2	4	6	5	5	4	4	4	4	8	9	13	10	9	8	4	2	2	5
23	2	2	2	2	2	2	1	2	2	1	3	3	3	3	3	3	3	3	8	4	4	3	3	2	3
24	3	3	3	3	2	2	2	2	2	4	4	4	4	3	2	2	2	2	2	1	4	ī	1	1	2
25	1	1	1	1	1	1	1	1	2	2	2	4	7	41.1		6	5	3	2	2	2	2	1	1	2
26	1	1	1	2	4	5	5	5	6	8	4	3	3	7	6	9	6	4	2	2	1	1	1	1	4
27	1	1	1	2	1	1	2	2		2	2	2	3	3	3	3	3	3	2	3	2	2	1	1	2
28	1	1	1	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	2	ī	1	2	2	3	2
29	3	2	3	3	3	4	3	3	3	3	4	5	5	4	4	4	6	5	5	5	4	6	4	3	4
30	2	1	1	1	1	8	10	5	4	3	4	8	6	7	7	5	7	6	6	4	4	3	4	2	5
31	1	1	1	1	1	1	3	8	15	••••	••••	9	8	9	7	6	6	8	6	6	2	1	1	1	5
MEAN	2	2	2	2	2	2	2	3	3	3	4	4	5	4	4	4	4	4	3	3	2	2	2	2	2.9

PERCENTAGE OF DATA VALID - 97.6 PERCENTAGE OF DATA INVALID - 1.6

PERCENTAGE OF DATA UNAVAILABLE - 0.8

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POL	LUTANT	- S	ULPHI	UR DI	OX1DE							1	JNITS	- 0.0	O1 PAI	RTS/MI	LLIO	N						
	STA	TION -	WC	NO :	29025	В	ARTON	/WEN	TWORTH	HAM:	LTON					MON	тн	JUN	77						
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	. 19	20	21	22	23	24 N	IE AN
1	1	1	1	1	1	1	1	1	1	2	2	2	2	0	2	1	2	2	2	2	1	1	1	1	1
2	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1
3	0	0	0	0	0	0	1	1		2	2	2	2	2	2	1	2	2	2	2	1	1	1	1	1
4	1	1	D	1	1	1	1	1	2	2	2	3	3	3	3	3	3	3	3	3	3	2	2	2	2
5	2	2	2	2	3	3	3	3	3	2	3	7	6	4	4	4	3	6	2	2	1	1	2	7	3
6	5	3	3	3	3	3	2	2	5	4	1	1	1	1	0	1	0	0	ō	ō	ò	D	0	0	2
7	ō	1	1	2	- 7	1	1	1	•	1		2	2	0	7	0	2	o	0	0	õ	- 7	1	1	ī
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9	2	2	3	÷	2	•	2	à	ś	À	6	à	3	5	ġ	6	4	2	2	- 1		•	1	1	3
10	2	2	2	ī	2	i	ī	1	ī	3	4	3	3	1	5	2	4	2	ī	i	ō	ò	o	o	2
11	0	0	4	0	0	D	1	1	1	1	1	1	1	1	2	1	1	1	1	1	•		1	1	1
12	2	2	1	1	2	2	2	2	2	2	2	1	o	3	9	8	2	0	1	i	ò	1	1	1	2
13	- 7	-	4.	1	1	1	2	4	4	4	5	5	8	15	10	11	11	8	10	4	5	9	1	2	5
14	1	1			10	10	3	-	7	10	12	14	13	11	10	9	14	6	3	3	5	3	2	2	7
15			3	2	1	1	1	4	4	4			****	3	3	3	5	4	3	2	3	1	5	8	3
15 16 17	3	2	3	2	- i		2	3	8	7	7	6	7	10	7	7	-	-	7	- 2	4	9	- 7	ĩ	Ă
17	3	- 7	Ã	5	5	À	5	2	2	3	á	3	3	3	3	3	3	4	2	3	3	2	- 1	1	3
18	2	2	7	3	3	2	2	5	2	2	2	2	2	3	3	2	3	3	3	2	5	2	9	,	2
18 19	2	•	5	•	2	5	2	-	2	2	2	2	5	2	2	2	2	2	2	2	5	7	- 7	7	-
20	ī	î	ī	1	í	î	î	ī	••••	ī	î	2	3	2	2	2	2	2	2	2	2	2	2	i	2
21	1		1	2	ī	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	2
22	1	i	1	2	2	- 1	1	1	2	6	4	5	6	6	4	3	4	5	4	4	5	2	1	2	3
23	2	1	1	2	2	3	4	A	7	11	7	5	4	4	4	5	4	5	7	6	7	3	2	1	4
24	2	2		- 7	2	- 7	-	5	6	8	11	11		5	4	3	4	4	3	3	á	3	2	2	4
21 22 23 24 25 26 27 28	2	2	,						ĭ	1	- 1	11	2	4	2	2	2	2	2	3	ž	- 1	1	1	2
26	- 7	ō	0	•		1	1	1	- 1	ż	2	,	2	2	4	5	5	2	2	5	•	- 1	1	1	1
27	4	ĭ	•	- ;	;	1	•		2	2	2	3	2	2	2	4	Ř	ā	ê	5	- 4	,	- 1	i	2
28	2	2	ż		- :	;	ż	- 1		ō	ñ	3	•	ī	3	- 7	ĭ	- 1	ĭ		- :	- 1	- 4	- 4	1
29	1	1	-		- 1		- 1	•		1	1		-	1	•	ó	'n	4	- 1		ċ	ó	ò	ò	- 1
30	ò	ò	ò	ò	ò	ò	ò	ò	1	i	- 1	1	2	3	2	2	2	2	2	2	2	2	1	ĭ	i
MEAN	•	1	,	2	2	2	1	2	3	3	3	3	3	3	4	3	3	3	3	2	2		ï	2	2.3

PERCENTAGE OF DATA VALID - 96.9

PERCENTAGE OF DATA INVALID - 1.7

PERCENTAGE OF DATA UNAVAILABLE - 1.4

- 2. .. INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNITS - 0.01 PARTS/MILLION

					1211 2 23	0.00																			
	ST	ATION -	WC	NO	29025		BARTON	/WEN	TWORTH	I MAH	LTON					MONT	тн - ,	JUL	77						
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 M	EAN
1 2 3 4 5	0 0 1	0 0 2	0 0 1	 0 1	1 0 1 2	0 0 1	0 0 1	1 0 1 1	1 0 4 1	1 0 11 1 0 2	1 0 10 1	1 0 8 1 2	2 0 7 1 2	2 0 5 1 2	2 0 8 1 2	1 1 2 1 2	1 0 1 1 2 3	1 0 1 2 2	1 0 1 1 2	1 0 1 1 3	1 0 - 1 2	0 0	0 0 1 1 2	0 1 1 2	1 0 3 1
6 7 8 9	2 8 2 1	2 8 1	2 8 1 2 3	1 1 1 8	²	1 6 0 1 8	6 0 1 6	0 1 8	3 8 •••• 1 9	2 7 1 2 9	2 7 2 2 5	1 8 2 2 5	10 2 2 4	4 6 2 2 6	4 3 2 2 6	5 2 4 6	3 2 3 8	4 3 2 2 6	5 2 2 5	7 5 1 2 5	9 3 1 2 10	8 2 1 1 6	9 1 1 1 9	6 1 2 7	5 1 2 6
11 12 13 14 15 16 17 18 19	7 2 1 1 3 1 2 1 2	10 2 1 2 3 1 2 1 2 1	13 2 1 1 3 1 1 1 2	13 2 1 1 3 1 1 1 2	14 2 1 3 1 1 1 2	15 2 2 1 2 1 1 1 1 1 1	12 1 1 2 1 1 1 1 1 1 1	8 1 2 2 1 1 1 1 1 1 1	9 1 2 2 2 1 1 1 1 1 1 1	6 1 2 2 2 1 1 1 2	10 2 2 2 1 2 2 1 4	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	5 2 2 5 2 2 2 2 1 2	7 2 2 7 2 2 2 1 2	7 2 2 5 3 2 2 2 1 2	622522212	6 2 2 4 2 2 1 2 1 2	5226221212	5 2 4 2 2 1 2 1 2	4 2 2 3 2 2 1 2 3 2	5 2 2 2 2 1 1 1	2 1 3 1 1 1 1 1 2	2 2 1 3 1 1 1 1 0 2	3 2 1 3 1 2 1 2 1 2	8 2 3 2 1 1 1 1
21 22 23 24 25 26 27 28 29 30	2 1 1 2 1 0 0 0 2	0	2 1 1 2 0 0 0 1 1	2 1 1 1 2 1 0 0 0	1 1 2 1 1 1 1	2 1 1 1 2 0 0 1 1 1 1	3 1 1 1 1 0 0 0 1 1 1	1 4 0 1 1 0 1 2 1 1	1 4 1 2 1 1 7 5	2 1 2 2 1 4 4 1	2 3 1 2 2 1 5 9 2	2 3 1 2 2 1 3 7 2 1	2 2 1 2 2 1 4 7 2 1	2 1 1 2 1 4 11 2 3	2 1 2 2 1 3 6 2 4	2 1 1 2 1 1 2 7 3	2 2 1 2 1 1 2 7	2 1 1 3 1 1 2 5 2 3	1 2 2 1 1 3 2 3	2 1 1 2 1 1 3 1 3	1 1 2 1 2 1 2	2 1 2 1 2 1 1	1 1 2 1 0 1 1	1 1 2 1 1 1 1 1 1 1 1	2 2 1 2 1 1 2 4 4 1 2
31 MEAN	1	1 2	0	2		0	0	1	2	3	5 3	3	3	3	3	3	2	2	2	2	2	2	2	2	2 2.1

PERCENTAGE OF DATA VALID - 96.9 PERCENTAGE OF DATA INVALID - 2.0

PERCENTAGE OF DATA UNAVAILABLE - 1.1

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. *- INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POL	LUTANT	- 5	ULPH	UR DIO	XIDE							1	UNITS	- 0.0	DI PAR	RTS/MI	LLION	N						
	STA	TION -	wc	NO	29025	E	BARTON	I/WEN	TWORT	H HAN	ILTON					MONT	TH - A	UG	77						
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	. 19	20	21	22	23	24 N	EAN
1	2	2	1	1	1	4	1	1	1	1	1	1	1	1	1.	1	1	1	1	1	1	0	0	0	1
2	0	0	0	0	0	0	0	0	1	1	1	1	1	1	2	2	2	2	2	2	2	1	1	1	1
3	2	1	1	1	1	1	1	1	1	2	2	2	2	2	2	1	2	2	1	1	1	1	1	1	1
4	1	1	2	2	2	1	1	1			1	1	1	2	2	2	2	2	2	2	2	2	2	2	2
5	1	1	1	1	1	1	1	1	1	1	1	1	1		2	2	2	2	2	2	2	2	2	2	1
6	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	3	2	2	2	2	2	1	1	1
7	1	1	2	2	4	3	2	3	4	2	2	3	5	2 3 0	3	5	8	5	2	1	1	1	1	1	3
8	1	1	1	1	1	1	1	0	1	1	1	1	1	0	0	1	1.	1	1	1	1	1	1	1	1
9	1	1	1	1	1	0	0	0	2	3	2	4	5	5	3	3	3	3	2	1	2	2	3	2	2
10	2	3	3	1	1	0	0	0	0	0	1	1	0	1	1	1	1	1	4	1	1	1	1	1	1
1.1	1	1	1	1	1	1	0	0	1	1	****	1	i	1	1	1	1	3	1	1	1	1	0	0	1
12	0	1	1	1	0	0	0	0	0	1	1	1	1	1	1	1	1.	1	1	1	1	1	1	1	1
13	1	1	1	2	2	2	1	1	2	2	2	2	2	2	2	2	2	2	2	2	1	1	2	1	2
14	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	1
15	0	0	0	0	0	1	1	1	1	1	1	1	1		1	1	1	1	1	- 1	1	2	1	1	,
16	1	1	2	2	2	1	2	3	4	2	2	3	-	2		2	2	1		- 1	0	0	0	1	2
17	1	1	1	1	1	1	1	- 1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1
18 19	0	0	1	1	1	0	0	0	0	1		1	ï	1	1	1	1	1	1	3	1	1	1	1	,
19	0	1	1	1	1	1	1	2	2			2	2	2	2	2	2	2	2	- 1	1	1	1	1	1
20	1	1	1	2	1	1	1	1	1	2	1	1	2	2	2	2	1	1	1	1	1	1	1	1	1
21	1	1	1	1	1	1		1	2	2	1	2	2	2	3	3	3	2	2	1-	2	2	2	2	2
21	2	2	2	2	2	2	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	2	2	1
23	2	2	2	2	2	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	1	2	1	1	2
24	2	2	4	3	2	2	2	1	1	****	3	2	2	2	2	2	2	2	1	2	1	1	1	1	2
25	1	1	2	1	1	1	1	1	2	2	5	5	6	4	3	3	3	2	2	1	2	3	2	2	2
26	1	1	1	1	1	1	1	4	6	10		6	7	6	6	7	6	5	4	3	2	2	1	1	4
23 24 25 26 27 28 29	1	0	1	0	0	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	3	2	2	2	1
28	2	2	2	2	2	1	2	2	2	2	2	3	2	2	2	2	1	1	1	1	1	1	0	0	2
29	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
30	1	1	1	1	1	1	1	1	••••	-1	1	1	3	6	6	6	4	6	3	2	1	1	,	1	2
31	1	1	1	1	1	1	1	1	1	2	3	7	8	6	8	7	6	6	6	3	2	2	2	2	3
MEAN	1	1	1	1	1	1	1	,	2	2	2	2	2	2	2	2	2	2	2	1	1.	1	1	,	1.5

PERCENTAGE OF DATA VALID - 98.4

PERCENTAGE OF DATA INVALID - 1.5

PERCENTAGE OF DATA UNAVAILABLE - 0.1

- 2. .. INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - SUI HUR ... IDE UNITS - 0.01 PARTS/MILLION

	51	ATION	1 - MC	NO	29025	ž.	BARTO	N/WE	NTWORT	H HAN	ILTON					MON	ITH -	SEP	77							
HOUR DAY	1	2	-	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	2	2		2	2	1	70	1	2	2	2	2	2	2	2	2	2	••••	2	2	2	. 2	2	2		2
2	2	2	2	2	2	2	2		3	4	4	5	5	5	6	4	4	5	4	4	3	2	2	2		3
3	2	2	0	0	0	0	0	0	0	0	0	0	0	0	6	0	2	3	1	1	1	0	- 1	1		1
4	0	0	0	0	0	0	0	1	4	6	10	8	В	8	5	4	3	2	2	2	2	2	2	2		3
5	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2		2
6	2	2	2	2	2	2	2	2	2			2	2	3	4	4	5	5	6	5	5	2 2	2	2		3
7	3	5	5	6	5	4	4	5	5	4	5	7	6	7	7	5	4	2	2	2	2	2	3	3		4
8	3	2	3	3	3	2	3	3	7	4	5	5	4	4	5	6	4	5	2	5	5	3	3	2		4
9	2	2	2	2	2	2	2	3		2	2	3	3	3	3	3	3	4	2	2	1	1	1	1		2
10	1	1	1	1	1	1	1	1	1	1	0	0	0	0	ō	ŏ	0	0	ō	ō	0	0	0	0		0
								-				-	-	_		-		_			-	-				
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0		0
12	0	0	0	0	0	1	0	0	0	1	****		****	****	2	1	2	2	1	1	1			2		1
13	2	2	1	1	1	1	1	10	1	0	0	0	1		1	1	2	2	•		ž.		1	0		1
14	1	- 1	0	1	1	1	0	- 1	1	1	0	0	0	0	0	1	1	- 1	0	0	1	1	1	2		1
15	Ĩ	1	1	1	1	1	2	****	4	2	2	1	3	****	1	2	2	2	2	1	0	1	0	0		1
16	0	0	0	0	0	0	0	1	1	1	1	0	1		1	1	1	0	0	0	0	0	0	0		0
17	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	1	0	0	0	0	0		0
18	0	0	ō	Ō	0	0	0	0	o	0	0	0	0													
19	****	****												4	2	2	2	2	2	2	1	2	3	3	****	• •
20	2	2	2	3	4	5	2	1	****		0	0	2	5	6	5	3	3	2	4	3	2	0	0		3
	-	-	_	-											-	-					-					
21	0	1	0	0	0	1	2	4	4	1		4	4	3	1	0	0	2	2	2	0	0	0	0		1
22	0	0	0	0	0	0	0	0	0	1	2	1	2		3	4	3	2	2	1	1	1	2	1		1
23	1	1	1	1	1	2	4	3	2	1	1	2	3	5	5	5	4	3	3	2	2	5	5	4		3
24	3	4	3	3	3	4	4	3	3	3		2	3	2	2		2		2	3		4	8	8		3
25	2	3	2	1	ī	0	1	1	3	1	2	2	3				4	4	2	3	ĩ	1	0	1		2
26	ō	ō	7	0	1	ō	1	1	2	2	1	1	1	1	ī	1	0	1	0		,	1	0	0		1
27	ō	ō	ó	ŏ	Ö	ō	0	ó		****	1	o	0	0		Ó	ō		ō	0	o	0	0	0		0
28	ō	ŏ	ŏ	ŏ	1	o	0	ō	0	0	0	0	0	Ď			0	0	ō	1	ō	ō	0	0		0
29	ŏ	ő	ő	ő	Ö	ŏ	1	1	ĭ	ŏ	ō	ŏ	ō		1	õ	ō		ŏ	ò	1	1	1	ī		o
30	1	1	2	ĭ	ĭ	2	2	وُ	2	2	2	1	2		2	1	2	i	2	1	2	í	1	3		2
							_		_	_																2

PERCENTAGE OF DATA VALID - 92.8

PERCENTAGE OF DATA INVALID - 6.3

PERCENTAGE OF DATA UNAVAILABLE - 1.0

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. .- INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

POLLUTANT - SULPHUR DIOXIDE UNITS - 0.01 PARTS/MILLION STATION - WC NO 29025 BARTON/WENTWORTH HAMILTON MONTH - OCT 77 HOUR 6 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 MEAN 1 2 3 4 5 6 7 8 9 2011000000 5000000000 000210 000100 2 4 0 1 0 2 3 2 4 4 2 2 2 1 2 2 3 5 3 11 12 13 14 15 16 17 18 19 13 2 2 2 9 2 21 22 23 24 25 26 27 28 29 30 007 2 0 3 11 12 2 5 3 0 3 13 7 2 5 7 3 31 2 2 2 2 2 2 2 2 MEAN 1 1 1 1.8

PERCENTAGE OF DATA VALID - 98.8

PERCENTAGE OF DATA INVALID - 0.9

PERCENTAGE OF DATA UNAVAILABLE - 0.3

- 2. .. INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNITS - 0.01 PARTS/MILLION

	STA	NOIT	- WC	NO	29025	В	ARTO	N/WEN	TWORT	H HAN	ILTON	ı				MON	TH - 1	VOV	77						
HOUR	1	2	3	4	5	6	7	В	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 M	EAN
1	1	1	1	1	1	1	1	5	1	1	1	1	1	1	1	1	1	3	6	5	7	3	1	1	2
2	1	1	0		****	D	- 1	2	2	3	3	2	2	1	1	1	4	9	8	6	3	2	2	3	3
3	3	2	2	2	2	2	3	2	3	5	4	4	7	7	7	4	3	3	2	2	1	2	2	2	3
4	3	3	3	1	1	1	2	2	3	3	1	1	1	2	1	1	1	1	0	1	0	0	3	1.1	2
5	9	7	5	6	5	4	4	3	3	4	2	2	2	3	2	2	3	4	3	4	4	2	2	2	4
6	3	5	6	7	7	7	6	5	5	5	6	7	7	6	7	5	9	12	6	6	4	3	3	3	6
7	4	3	3	3	4	4	3	4	4	4	3	3	4	4	3	5	5		4	3	4	3	2	2	4
8	1	î	1	1	1	1	1	3	5	5	4		6	6	2	4		6	7	5	5	5	2	2	3
9	5	3	- 1	- ū		1	2	4	4	5	4	7	8	6	5	4	9	8	140	7	6	9	13	9	6
10	7	5	5	4	6	4	4	4	****	****	••••	****	****	0	1	1	1	1	1	1	1	0	0	0	2
11	0	0	0	0	0	0	0	O	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	- 1	1	0
14	1	1	2	2	2	2	2	1	2	2	1	1	1	3	2	2	1	2	2	2	1	2	1	1	2
15	2	3	3	3	2	2	3	***	3	3	6	7	4	3	2	- 1	1	1	1	1	1	1	1	1	2
16	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	0	1	1	1	1	0	0	1
17	0	0	0	1	1	7	1	0	0	****	4	1	1	1	1	0	0	0	0	0	0	0	0	0	1
18	0	0	0	0	0	0	0	0	****	1	- 1	/=	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
20	.1	3.	2	3	4	3	2	1	1	1	1	1	2	2	3	4	2	2	2	1	2	3	2	1	2
21	2	2	3	2	1	1	1	1	1	1	1	1		1	1	0	0	0	0	0	0	0	0	0	1
22	0	0	0	0	0	0	0	1	0	****	2	0	0	****	1	1	1	0	0	0	0	1	2	3	1
23	1	1	2	2	2	2	1	- 1	1	1	1	2	2	2	1	1	1	1	1	1	2	2	2	3	2
24	2	2	2	2	1	1	1	1	1	****	1	7	1	1	1	1	1	- 1	3	1	1	1	1	1	
25	1	1	1	1	1	1	- 1	2	1		1	3	3	2	1	1	1	1	2	2	4	1:	1	1	,
26	1	1	1	1	1	1	1	1	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1
27	1	1	1	1	1	1	1	- 1	1	1	1	1	1	1	1	2	1	1	1	1	2	2	2	2	1
28	2	2	2	3	3	3	3	2	2	3	2	3	3	3	3	3	2	3	3	2	2	2	3	2	3
29	2	3	3	3	4	5	5		***	7	6	5	4	3	3	3	2	3	3	3	5	5	5	3	4
30	3	-	5	4	4	5	4	4		-	4	4	4	3	3	3	4	3	3	3	3	4	3	3	4
MFAN	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2.0

PERCENTAGE OF DATA VALID - 96.3 PERCENTAGE OF DATA INVALID - 2.2

PERCENTAGE OF DATA UNAVAILABLE - 1.5

NOTES 1. ****** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. "***** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POLI	UTANT	· s	ULPHU	R DIO	XIDE								JNITS	- 0.0	O1 PAR	RTS/MI	LLIO	N						
	STAT	TION -	wc	NO 2	9025	В	ARTON	/WENT	WORTH	HAM1	LTON					MON	rH - D	EC	77						
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	, 19	20	21	22	23	24 1	MEAN
1 2 3 4 5 6 7 8 9	5 1 1 0 1 0 1 1 2 2	3 1 1 1 2 0 1 1 3 2	5 1 1 1 2 0 1 1 3 2	3 1 1 1 0 2 1 2 2	4 1 0 1 1 0 3 2 2	3 1 1 1 0 3 2 2 3	5 1 1 0 1 0 2 4 2 2	3 1 1 0 2 0 1 6 2 2	3 1 1 0 2 1 1 5 2 2	2 1 1 0 2 0 1 4 3 2	2 1 1 0 2 0 1 6 2 2	3 0 1 1 1 1 4 3 1	2 1 1 1 0 1 3 2	1 1 0 1 1	1 1 0 1 0 1 2 2 1	1 1 0 1 1 1 1 2 1 1	1 1 1 0 - 2 0 2 1 1 1 1	1 1 0 1 0 2 2 1 2	1 0 0 0 1 1 1 2 2 2	1 0 0 1 0 1 2 2 2	1 1 0 0 2 0 1 2 2 2	1 1 0 0 2 0 1 2 2 2 2	1 1 0 0 0 0 1 2 2 2	1 1 0 1 1 2 2 4	2 1 1 0 1 0 1 3 2 2 2
11 12 13 14 15 16 17 18 19 20	4 5 2 1 2 5 4 1	3 5 2 1 1 5 3 1 2	3 4 2 2 1 1 5 4 1	2 2 2 1 1 5 5 2 3	2 2 2 1 1 5 6 3 3	2 3 2 1 1 4 4 1 2	4 5 2 1 1 3 4 1 2	3 5 2 2 2 2 4 1 2	4 6 2 1 2 5 2 4 1 2	4 9 2 1 3 **** 2 3 1 3	3 6 2 1 2 3 3 3	3 5 2 2 4 4 2 1 3	3 2 2 1 5 3 3	2 3 2 2 1 4 4 3 1 3	1 3 2 2 1 4 5 3 1 2	1 3 2 1 1 5 4	1 3 2 1 1 6 4 - 1 3	1 3 2 1 1 7 5 3 2 3	3 2 2 1 1 6 4 3 2 2	3 2 2 1 1 6 4 3 1	3 2 2 1 1 6 4 3 1	3 2 2 1 6 3 2 2	3 2 2 1 1 5 3 1	4 2 1 2 6 4 1 2	3 4 2 1 1 4 4 3 1
21 22 23 24 25 26 27 28 29 30	1 1 2 2 1 2 2 3 3	1 2 2 1 1 2 3 3 2	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	1 2 3 2 2 2 2 2 3 2	1 2 4 2 2 1 2 2 2 2 2	1 2 4 2 2 2 2 2 3 2 2 2	1 3 4 2 1 2 2 3 2 2	1 3 4 2 1 2 2 2 3	1 2 3 2 1 1 2 2 2 2 2 3 3	1 3 3 2 1 1 2 2 2 3	1 3 3 3 1 1 1 2 2 3	1 3 2 1 1 1 1 3	2 3 4 1 1 1 1 3	1 2 3 5 1 2 1 1 1 3	1 2 2 5 1 2 1 1 1 3	1 2 3 1 2 1 1 1 1	1 2 3 1 2 1 1 1 4	1 2 2 3 2 2 2 2 5	1 2 2 4 1 2 2 2 2 5	1 2 2 5 1 2 1 2 2 4	1 2 2 6 2 2 1 2 2 3	1 2 2 4 2 2 1 2 2 2	1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	3 3 1 2 2 2 3
31	2	2	1	t	1	1	1	1	0	0	0	Ť	0	1	1	1	1	1	2	1	3	5	2	•	1
MEAN	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2.0

PERCENTAGE OF DATA VALID - 98.9 PERCENTAGE OF DATA INVALID - 0.4

PERCENTAGE OF DATA UNAVAILABLE - 0.7

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. "***** INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1977

MONTHLY SUMMARY	OF HOURET AND 2-HOURE	T DATA FOR 1977		
POLLUTANT . SUL	PHUR DIOXIDE		UNITS - 0.01 PARTS/MILL	10N
STATION - WC NO	29025 BARTON/WEN	ITWORTH HAMILTON		
MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	2.6	7	11
FEB	28	2.8	6	11
MAR	31	2.8	7	17
APR	30	2.9	7	16
MAY	31	2.9	7	15
JUN	30	2.3	7	15
JUL	31	2.1	8	15
AUG	31	1.5	4	10
SEP	28	1,6	4	10
oct	31	1.8	4	14
NOV	. 30	2.0	6	13
DEC	31	2.0	4	9
YEAR	363	2.3	8	17

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1977

POLLUTANT -	SULPHUR D	IOXIDE			UNI	TS - 0.0	1 PARTS/MILL	ION.		
STATION -	WC NO 290	25 BAR	TON/WENTWOR	TH HAMILTON						
MONTH	00 TO 04	05 TO 10	11 TO 14	15 TO 25 26	6 TO 39 40	BOVER	TOTAL			
JAN	640	89	2	0	0	0	731			
FEB	544	110	1	0	0	0	655			
MAR	633	84	13	3	0	0	733			
APR	561	115	17	3	0	0	696			
MAY	597	116	11	2	0	0	726			
JUN	626	61	10	1	0	0	698			
JUL	637	77	6	1	o	0	721			
AUG	702	30	0	0	o	0	732			
SEP	618	50	0	0	o	0	668			
ост	670	57	8	0	o	0	735			
NOV	617	73	3	0	0	0	693			
DEC	695	41	0	0	o	o	736			
YEAR	7540	903	71	10	o	o	8524			
FREQUENCY		ON BY PERC	ENTILES							
	OF DATA				CONCENTRA!	TION. PER				ARITH
	VALID	MIN	10 3	0 50	70	90	95 98	99	MAX	MEAN
	97.3	0	0.0 0.	6 1.3	2.0	1.4 6	5.0 8.3	9.9	17	2.3

UNITS - 0.01 PARTS/MILLION

	S	STATION - WC NO 29026 BRAMPTON/WOODWARD HAMILTON													MON	TH -	JAN	77							
DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	1.9	20	21	22	23	24	MEAN
1 2	1	1	1	1	1	1	1	1	2	1	1	4	4	5	4	2	2	1	1	1 1	1	1 1	1	1	2
3	1	2	2	- 1	1	1	1	1	3	2	3	2	1		1	2	3	3	2	1	1	2	2	2	2
4	3	3	3		2	2	- 1	1	0	0	0	0			0	0	0	0	0	0	0	0	0	0	1
5	0				0	0	0	2	2	2	0	0			0	0	0	0	0	0	0	0	0	0	0
7	0	0		0	0	1	0	0	1	0	0	0	0	0	14	18	12	8	5	5	6	5	5	4	4
8	2	2	5	5 2	2	5 2	2	4	3	4	- 1	1	3	3	1		2	3	1	1	1	1	2	1	3
9	5	4	3	4	4	1	1	3	2	2	2	3	2	3	2	2	5	3	3	3	2	3	4	4	2
10	1	1	1	0	0	o	****	****				****					****			!	****				
11	****	****	****	****	****			****		****			****	0	1	1	1	1	1	1	2	2	2	2	
12	2	2	1	2	2	3	2	2	2	1	1	3	****	****	****	1	1	î	i	î	- 1	- 1	1	1	1
1.3	1	1	1	1	1	0	0	0		****		2	4	3	4	4	3	6	3	4	3	3	3	4	2
14	5	7	9	8	8	8	8	8	7	6	5	5	5	5	4	5	5	5	6	7	7	7	9	9	7
15	6	6	5	5	3	3	3	4	4	3	2	2	3	2	3	3	2	2	2	2	2	2	2	2	3
16	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
17	1	1	- 1	1	1	1	1	2	2	2	2	1	1	2	2	2	1	2	2	2	2	2	3	3	2
18	4		3		2	3	2	2	6	5		2	2	1		1	2	2	4	2 3 2	2	2	2	3	2
19	3		3		4	5	5	2	4	4	4	3	3	1	1	5	6	2	2	2	2	1	1	1	2 2 3 2
	2		2	1.	1	1	1	1	2	2	2	2	3	3	2	3	2	3	3	3	4	4	4	3	2
21	4			5	5	5	5	4	3	****	3	2	2		3	3	4	3	3	3	3	5	4	3	4
22	3				5			7	4	3	4				7	5	5	6	4	4	4	4	4	3	4 3 7 2 2 2 2 2
23	2				2	3		2	2	2	2	2		4	5	5	5	5	4	4	4	4	5	7	3
24	8				10	9	8	7	7	6	6	6	6		5	5	5	5	5 2 2	6	6	6	5	4	7
25 26	3				****	****	****	****	3	2	1	- 1	1	2	1	****	2	2	2	1	1	1	1	1	2
20	2	2	2		2	2	2	2	2	2	2	2	2	3	2	2	2	2	2	2	2	4	2	1	2
27 28	2		. 1	2	3	2	2		2		2	2	2	2	2	2	2	2	2	2	2	2	2	3	2
29	2	3	3		2	3	3	3	4	4	2	3			1	1	1	1	1		- 1	2	2	2	
30	2	2	2		2		2	2	2	2	2	2 2	2	2	2	2	2	2	2	2	2	2	2	2	2
	_	_							2	2	2	2	2	2	2	2	2	2	2	1	1	1	. 1	1	2
31	2	2	2	2	2	2	2	2	2	2	2	2	2	****	2	2	2	2	2	2	2	2	1	1	2
MEAN	3	3	3	3	3	3	2	2	3	2	2	2	2	2	3	3	3	3	2	2	2	2	2	2	2.5

PERCENTAGE OF DATA VALID - 93.8

PERCENTAGE OF DATA INVALID - 6.2

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

POLLUTANT - SULPHUR DIOXIDE UNITS - 0.01 PARTS/MILLION STATION - WC NO 29026 BRAMPTON/WOODWARD HAMILTON MONTH - FEB 77 HOUR 7 8 9 10 1.1 12 13 14 15 16 17 18 20 21 3 4 5 6 7 8 9 3 2 - DATA UNAVAILABLE - DATA UNAVAILABLE 11 12 13 14 15 16 17 18 - DATA UNAVAILABLE - DATA UNAVAILABLE
- DATA UNAVAILABLE
- DATA UNAVAILABLE
- DATA UNAVAILABLE
- DATA UNAVAILABLE
- DATA UNAVAILABLE - DATA UNAVAILABLE
- DATA UNAVAILABLE
- DATA UNAVAILABLE
- DATA UNAVAILABLE 20 21 22 23 24 25 26 27 - DATA UNAVAILABLE DATA UNAVALLABLE - DATA UNAVAILABLE 2 2 2 3 2 2 2 3 3 3 3 3 2 2 2 2 2 2

PERCENTAGE OF DATA VALID - 21.1

PERCENTAGE OF DATA INVALID - 6.1

PERCENTAGE OF DATA UNAVAILABLE - 72.8

- 2. *- * INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LE_S THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNITS - 0.01 PARTS/MILLION

		7-2																							
	STA	TION -	wc No	29026	E	BRAMP	TON/W	CODWA	RD HA	MILTO	N				MONT	rH - A	PR	77							
HOUR DAY	1	2	4 د	5	6	7	8	9	10	11	12	13	14	15	16	17	18	. 19	20	21	22	23	24	MEAN	
1 2 3 4 5 6 7 8 9			*								- DAT	A UN A UN A UN A UN A UN A UN	AVAIL AVAIL AVAIL AVAIL AVAIL AVAIL AVAIL	ABLE ABLE ABLE ABLE ABLE ABLE ABLE ABLE											
11 12 13 14 15 16 17 18 19 20	0 1 1 0 1	0 1 1 0 1	0 0 1 1 1 1 0 1 1 2	1	0 1 1 1 2 0	1 1 1 1 2 0	1 2 2 0 2	2 2 2 2 0 2	2 2 0 3	····	- DAT	A UN		ABLE ABLE IO - 3 1 1 1		2 2 1 2 2 1	1 1 1 1 2 2	1 1 1 1 1 2	1 2 1 1 1 1 2	1 2 1 0 1 1 2	0 1 2 0 1 1 2	0 1 3 0 1 1 2	0 1 2 0 1 1	 1 1 1 2 1	
21 22 23 24 25 26 27 28 29	1 2 0 0 0 0 1 2 1	1 2 0 0 0 0 1 2 2	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 2 2 0 0 0 0 0 0 0 0 0 1 1 1 1 1 2 2 2 2	1 2 0 0 0 0 1 1 3 3	2 2 0 0 0 0 1 1 2 2	2200001122	3 2 0 0 0 0 1 1	0 0 1 1 1 2	2 2 0 0 0 0 1 1 1 2 2	3 1 0 0 0 0 1 1 1 2	3 1 0 0 0 1 1 1	4 1 0 0 1 1 1 1	4 1 0 0 0 1 2 1 1	3 1 0 0 1 1 2 1 1	3 0 0 0 1 1 2 1 1 1	3000102112	200000000000000000000000000000000000000	200000000000000000000000000000000000000	2000013111	2000012211	20000121	200000121111	2 1 0 0 0 2 1 1 2	
MEAN	1	1	1 2	1 1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1.0	

PERCENTAGE OF DATA VALID - 53.3 PERCENTAGE OF DATA INVALID - 5.3 PERCENTAGE OF DATA UNAVAILABLE - 41.4

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POLLUTANT - SULPHUR DIOXIDE													UNITS - 0.01 PARTS/MILLION											
	STA	STATION - WC NO 29026 BRAMPTON/W						OODWA	RD HAN	ILTO	N		MONTH - MAY					77							
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	, 19	20	21	22	23	24	MEAN
1 2 3 4 5 6 7 8 9 10 11 12 13	1 3 2 1 1 0 1 2 1 0 8 0 2	1 2 1 0 1 0 1 1 1 1 1 3 1 1 1 3	1 2 1 0 1 1 1 1 1 1 1 1 1 2 1	1 2 1 0 1 1 1 1 1 0 1 1 1 2 0	2 2 1 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2 2 0 0 0 1 1 1 1 2 3 0 7	2 1 1 0 0 3 1 1 1 0 5 0 3 1 1 1 0 0 3 1	210000022211	2 1 0 0 0 1 2 1 *****	2 2 1 0 0 1 1 1 0 0 2 1 1 2	3 2 1 0 0 0 1 1 1 0 0 2 1 1 1	4 2 1 0 0 0 1 1 3 0 0 0 1 2 1 1	4 2 1 1 0 1 2 4 0 1	3 2 1 1 0 1 1 7 0 1	3 4 1 1 0 1 2 4 0 3	4 4 1 1 0 1 2 1 0 1 2 2 1 1	3 3 1 1 1 0 1 1 1 0 1 4 5 3 1	3411031201	3211051200 2202	4 3 1 1 0 1 1 1 0 1 1 2 0 1	4 3 0 1 0 2 1 1 0 2 2 1 0	4 3 1 1 0 3 1 0 0 5	4 4 1 1 0 3 2 1 0 2 2 1 0 1	4 2 1 1 0 1 2 1 0 3	3 2 1 1 0 2 1 2 0 1 2 1 2 1
14 15 16 17 18 19	0 1 1 2 0 1	0 0 1 1 0 1	1 1 1 0 1	1 1 0 1	1 2 1 0 0	1 3 0 1	1 2 1 3 0 0	2 1 3 0 0	3 0 2 0 0 2	3 0 3 0 4 1	1 2 1 3 2	1 1 2 1 2 2	1 0 2 1 1 2	1 1 2 1 4 2	1 1 2 4 2	1 2 2 2 4	1 3 3 3 3	1 17 2 3 2 2	0 4 2 4 2 2	2 2 1	0 1 2 2 1 0	1 2 1 1	1 1 2 0 1 1	0 1 2 0 1 1	2 2 1
21 22 23 24 25 26 27 28 29	0 1 1 0 0 0 0 0 0 0 0	0 1 1 1 0 0 0 0 0 0 0 0 0 0 0	0 1 1 0 0 0 0 0 0 0	0 1 0 0 0 0 0 0	0 1 1 0 2 0 0 1 0 0	0 1 0 2 1 0 0	0 1 1 0 1 0 0	0 1 1 0 2 0 1 1	1 3 1 2 0 1 1 0	1 6 2 1 1 0 2 2 0 0	1 7 2 2 0 0 3 1 0	322103100	1 3 1 2 1 0 2 1	2 6 1 2 1 0 2 1 0	1 7 1 1 0 2 1	1 1 1 3 0 2 2 0 1	1 1 1 2 1 2 3 0 1	1 1 0 1 1 0 1	1 6 0 0 0 2 1 0 1	1 1 3 0 0 0 2 0 0 1	1 0 2 0 0 0 1 0 0 1	1 1 0 0 0 1 0 0 1	1 1 0 0 0 1 0 0 1	1 0 0 0 1 0 0 1	1 2 1 1 1 0 1 1 0 0
31 MEAN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1.2

PERCENTAGE OF DATA VALID - 99.5 PERCENTAGE OF DATA INVALID - 0.5 NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. ... INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNITS - 0.01 PARTS/MILLION

	STA	NOITA	- WC	NO.	29026		BRAMP	TON/W	OODWA	RD HA	MILTO	N				MON	TH -	JUN	77						
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	1	0	0	O	0	0	0	0	0	0
2	ō	o	0	0	0	0	0	0	0	0	1	1	1	3	2	1	0	0	0	1	1	0	0	1	1
3	1	0	0	0	0	0	2	3	1	1	1	1	2	2	2	2	1	1	1	2	2	2	1	0	1
4	0	0	0	0	0	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	3
5	1	1	2	1	1	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	2	2	1	3	2
6	3	3	2	1	1	0	0	0	0	0	0	1	1	0	-	0	0	0	0	0	0	0	0	0	1
7	0	0	0	1	0	0	0	0	0	0	1	1	2	1	0	- 1	1	1	.1	2	1	0	0	0	1
8	ō	0	0	0	0	0	0	0	****	****	****	****	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	1	2	1	0	0	0	0	0	0	0
10	1	1	1	0	0	0	0	0	1	2	4	1	1	2	2	2	2	2	2	3	.1	1	1	0	1
11	0	0	0	0	1	1	2	4	3	1	1	1	2	1	1	1	1	1	41	1	0	1	1	1	1
12	1	Ť	0	1	1	1	1	3	2	1	1	1	2	1	1	1	- 1	1	1	0	0	0	0	0	1
13	o	ò	0	o	o	0	1	1	- 1	1	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0
14	0	o	0	ő	o	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0
15	o	ő	0	o	0	0	0	1	1	- 1	1	1	1	1	1	1	1	- 1	- 1	1	1	0	0	0	1
16	0	0	0	o	0	0	o	1	ì	1	1	1	2	1	1	1	1	1	11	.1	1	1	1	1	1
17	1	,	2	2	1	1	0	1	0	0	0	0	1	1		2	2	1	1	- 1	0	0	0	0	- 1
18	ó	ő	ő	ō	0	Ó	o	ò	o	0	o	0	0	0	0	0	0	0	0	- 1	0	0	0	0	0
19	0	0	0	o	o	o	0	o	o	0	0	0	0	0	1	1	0	- 1	0	0	1	1	3	2	0
20	1	o	o	ő	ő	o	0	0	ō	0	0	0	0	0	0	1	1	1	1	- 1	1	1	1	1	0
21		1	1	1	1	1	1	0	0	0	0	0	0	0	0	1	1	1	1	1	2	2	0	0	1
22	1	1	2	4	2	2	2	2	0	ő	0	0	ō	ő	0	0	0	- 1	Ó	0	o	0	0	0	1
	0	,	0	0	ő	ó	ō	ō			****		****	****	****	****	****	****	****	****		****		****	*****
23	****	0	0	0	o	0	0	0	0	0	0	0	0	****	****	****		****	****	****	****			****	*****
25		0	U	U	u							ŭ	DATA	INVA	ID -										
													DATA												
26								****			****		****	****	****	****	0	0	0	0	0	0	0	0	*****
27					0	0	0	0	0	0	0	0	0	0	0	0	ő		ő	o	ő	o		0	0
28	0	0	0	0	0	0	0	0	0	Ö	o	ő		ő	ő						ő	0		0	0
29	0	0	0	0	0	0	0	0	0	0	a	0		ĭ		1	1	1	1	1	1	1	1	1	0
30	0	0	0	0		O	_	U	U																
MEAN	0	0	0	0	0	0	0	1	1	0	1		1	- 1	1	1	1.	1	1	1	- 1	1	0	0	0.6

PERCENTAGE OF DATA VALID - 86.3

PERCENTAGE OF DATA INVALID - 13.6

PERCENTAGE OF DATA UNAVAILABLE - 0.1

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEJS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

POLLUTANT - SULPHUR DIOXIDE UNITS - 0.01 PARTS/MILLION STATION - WC NO 29026 BRAMPTON/WOODWARD HAMILTON MONTH - JUL HOUR 24 MEAN DAY 1 2 3 4 13 14 15 17 18 INVALID O O ...
DATA INVALID
DATA INVALID
DATA INVALID
DATA INVALID
DATA INVALID 0 **** 24 25 26 27 0 0 ò ò ó O O MEAN 0.5

PERCENTAGE OF DATA VALID - 73.7

PERCENTAGE OF DATA INVALID - 26.3

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. "***** INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

	5/00													147.000 ±1100		10000			10.00							
	51	TATION	- WC	NO	29026	;	BRAMP	TON/W	OODWA	RD HA	MILTO	N				MOM	TH -	AUG	77							
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2	0	0	0	0	0	0	0	0		1	1	1	1		2	2	2	2	2	1	1	1	1	1	1	
3	2	2	1	1	1	1	1	2	1	1	2	2	2	2	2	2	2	2	2		- 1	1	1	1	2	
4	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	- 1	i	1	1	1	1	
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6					-	- 8				-		- D	ATA U	NAVAIL	ABLE											
7												- D	ATA U	NAVAIL	ABLE											
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11	2	2	2	2	1	1	1	- 1	1	1	1	1	- 1	2	2	2	2	2	2	2	2	2	2	2	2	8
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21													DATA	INVA	LID -											
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23	1	1	0	0	0	0	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	1	4
24	1	0	0	0	0	0	0	0	0		2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4
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28	8	7	6	5	5		4	3	3	3	2	2	2		1	- 1	1	1	1	Ó	2 6 9 0	0	0	0		ž
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31	2	2	2	2	2	2	2	3	3	3	3	4	3	4	3	3	3	3	3	3	3	3	3	3		,
MEAN	2	2	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1.6	ś

PERCENTAGE OF DATA VALID - 72.7 PERCENTAGE OF DATA INVALID - 17.9

PERCENTAGE OF DATA UNAVAILABLE - 9.4

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. .. INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	PO	LLUTA	NT -	SULP	IUR DI	OXID	E							UNITS	0	.01 PA	RTS/N	ILLIC	N						
	ST	ATION	- wc	NO	29026	6	BRAMP	TON/W	OODWA	RD HA	MILTO	N				MON	ith -	SEP	77						
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	. 19	20	21	22	23	24	MEAN
1 2 3 4 5 6 7 8 9	3 1 0 0 0 •••••	3 1 0 0 0 0	3 1 0 0 0 1 0	3 0 0 0 0 0 0	3 0 0 0 0 0 0	2000000012	0 0 0 0 0 1 2	20000002	200000032	300000000000000000000000000000000000000	3 0 0 0 0 0 0 0 0	2000000222	000000000000000000000000000000000000000	2 0 0 0 0 0 0	000000000000000000000000000000000000000	0 0 0	1000000123	000000000000000000000000000000000000000	000000000000000000000000000000000000000	0 0 0 0 0 1 2	000000000000000000000000000000000000000	0 0 0 0 0 1 1 2	0 0 0 1 1 1 2 2 2	1 0 0 0 0 1 1 2 2	20000000123
11 12 13 14 15 16 17 18 19	0 2 2	3 0 1 4	3 0 1 5	4 0 1 1 1 1 1 5	5 0 1 1 1 1 1 5	5 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5 0 0 0 0 1 1 1 1 1 6	8 0 0 1 1 1 1 6	8 1 0 0 1 1 1 2 6	2 1 0 0 0 0 0 0 0 1 1 2 3	2 1 0 0 0 0 0 0 1 1 1 1 1 1 1	2 1 1 0 1 1 1 1 1 1 1	2 1 1 0 1 1 2 2	2 1 0 0 1 1 1 1 1 2	1 0 1 1 1 1 2	2 3 1 1 1 1	2 3 1 1 1 1 2 2 2	1 3 1 1 1 1 2 2	1 3 0	1 2 0 1 1 1 1 3 2	1 2 0 1 1 1 1 3 2	1 2 2 1 1 1 1 3 2	2 2 1 1 1 1 4 2	1 2 2 1 1 4 2	3 1 1 1 1 1 2 3
21 22 23 24 25	0	2 0 1	2 0 0	0	0	0	2 0 3	0	2 0 1	0	1 0 0			O I NVAI			1	0 1 0	1	0 1	1	i			1
26 27 28 29 30	0 0 1 0	0 0 1 0	0 0 0	0 1 0 0	0 1 0 0	0 1 0 0	0	0 1 0 2	0 1 0 1	0 2 0 1	0 2 0 1	0 2 0 1	0 1 0 1	0 1 0 1	0 1 0	1 0 1	1 0 3 0 1	0 0 1 0 1	0 3 0 1	1	1	,	0 3 1 1	0 2 0 1	0 2 0 1
MEAN	,		į	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1.

PERCENTAGE OF DATA VALID - 82.5 PERCENTAGE OF DATA INVALID - 17.5

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. -- INDICATES DATA IS UNAVAILABLE
- 3. " *** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

		0000		3011	HUR D	LONID	L.							UNI	S - 0	.01 P	ARTS/M	ILLIO	N							
	S	OITAT	N - WC	NO	2902	6	BRAMP	TON/	WOODW	ARD H	MILTO	ON				MOI	TH -	ост	77							
DAY	1	2	3	4	5	6	7	8	9	10	11	12	1	3 14	15	16	17	18	19	20	21	22	23	24	MEAN	
1 2 3 4 5 6 7 8 9	0 0 0 3 0 1 1 0 0 0	0012012000	0 0 1 2 0 1 1 0 0 0	0 0 1 4 0 1 1 0 0 0	0 0 1 3 0 1 1 0 0 0	0 0 1 4 0 1 2 0 0 0	0 0 2 2 1 1 2 0	0 0 1 2 1 1 2 0 0 0	0 0 0 2 1 1 2 0 0 0	0 0 0 2 1 1 0 0 0 0	0 0 0 2 1 1 0 0 0 0	000000000000000000000000000000000000000			1 1 0 0		0 0 1 1 1 1 0 0 0 0 0	0 0 1 1 1 2 0 0 0 0	0 0 2 1 1 2 0 0 0	0 0 4 1 2 2 0 0 0	0 0 4 2 2 2 0 0 0 0	0 1 5 2 2 2 0 0 0 0	0 1 4 2 2 3 0 0 0 0	0 1 4 2 2 3 0 0 0	1 2 1 1 1 0 0	K
11 12 13	0	0	0	0	0	0	0	0	0	С	0	- D) 1 ATA 1 ATA	O (IAVAN	LABLE	:		-							*****	
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21 22 23 24 25 26 27 28 29 30	1 1 0 0 0 0 0 0	2 2 1 1 0 0 0 0 0 0 0 0 0	2 2 1 1 0 0 0 0 0 0 0 0 0	2 2 1 0 0 0 0 0 0 0	2 2 1 0 0 0 0 0 0 0 0	2 2 1 0 0 0 0 0 0 0	2 2 1 1 0 0 0 0	2 2 1 1 0 0 0 0	2 1 0 0 0 0 0 0 0 0	2 2 1 0 0 0 0 0 0 0 0	3 2 1 0 0 0 0 1 0 0	2 1 1 0 0 0 0 1 0 0	110000	1 1 0 0 0 1 2 0	1 0 0	3 1 1 0 0 0 1 1 0 0	3 1 1 0 0 0 0 0 0 0 0	3 1 0 0 0 0	3 1 0 0 0 0 0 0 0 0 0 0	3 1 0 0 0 0 0 0 0 0	3 1 1 0 0 1 1 0 0	3 1 0 0 0 1 1 0 0 0	3 1 0 0 0 0	3 1 0 0 0 0 0 0 0 0 0 0	2 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
MEAN	1	1	1	1	1	1	1	1	.1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0.7	

PERCENTAGE OF DATA VALID - 84.9 PERCENTAGE OF DATA INVALID - 5.9

PERCENTAGE OF DATA UNAVAILABLE - 9.1

NOTES 1. ****** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POLI	UTANT	- S	ULPHU	R DIO	XIDE							NITS	- 0.0	DI PAI	RTS/M	LLIO	N							
	STAT	TION -	WC	NO 2	9026	В	RAMPT	ON/WO	ODWAR	п нам	ILTON	E				MON	тн - п	VOV	77						
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 N	IEAN
1 2 3 4 5 6 7 8 9	0 0 0 0 0 0 1 0	0 0 0 0 0 0 0 1 0	0 0 0 0 0 0 0 1 0	000000000000000000000000000000000000000	0 0 0 0 0 0 1 0	0 0 0 0 0 0 0 0 1 0	00000000	000000000	000000000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 1 0	0 0 0 0 0 0 0 1 0	000000000	000000000	000000000	000000100	000000100	0 0 0 0 0 1 0 0	000000000000000000000000000000000000000	0 0 0 0 0 0 1 0 0	0000000000	0000000000	000000000	0000000000	0000000000
11 12 13 14 15 16 17 18 19 20	000000000	0000000000	0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	000000000	0000000000	000000000	000000000	000000000	000000000	000000000	000000000	000000000	00000000	000000000	0000000000	000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0 0 0 0 0 0 0 0 0	0000000000
21 22 23 24 25 26 27 28 29 30	000000000	000000000	0 0 0 1 1 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 1 0 0 0 0 0	0 0 0 1 0 3 0 0 0	0 0 1 0 3 0 1 0 0	0 0 0 1 0 3 0 1 0 0	0 0 0 0 4 0 1 1 0	0 0 1 0 0 3 0 1 1	0 0 1 0 0 4 0 0 1 0	0 0 1 0 0 0 0 0 0	0 0 1 0 0 1 0 0 0	0 0 0 0 0 4 0 1 0 0	0000000	0 0 0 0 3 0 2 0	0000000000	000000000	000000000	000000000	0 0 1 0 0 0 0 0 0	0 0 2 0 0 1 0 0 0 0	0 1 2 0 0 1 0 0 0 0 0	0 1 2 0 0 1 0 0 0 0 0	0000000000
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1

PERCENTAGE OF DATA VALID - 99.9 PERCENTAGE OF DATA INVALID - 0.1

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. ****** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE
 - 2. "-" INDICATES DATA IS UNAVAILABLE
 - 3. "***** INDICATES LEGS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - SULPHUR DIOXIDE UNITS - 0.01 PARTS/MILLION

	S	TATION	- WC	NO.	2902	6	BRAM	PTON/I	WOODW.	ARD H	AMILT	NC				MO	NTH -	DEC	77							
DAY	1	2	3	4	5	6	7	8	9	10	11	12	1	3 14	1 15	16	17	18	19	20	21	22	23	24	MEAN	
1	0		0	0	0	0	0	О	0	0	0	0	1	0 (, ,	0		0	0	0					_	
2	0		0	0	0	0			0	0	0	0	- 1	0	ò		ĭ	ŏ	0	ő		0	0	0		
3	0		0	0	1	0		0	0	0	0	3		1 2			ċ						0			
4	0		1	0	0	0	0	0	0	0	0	0		0 8		ò		ő	0	0		0		0		
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9	2	3	3	4	2	2	3	3	3	3	2	3	- 1	2		2	2	5	2	2	2	2	2	2		
10	3	5	3	3	3	4	4	2	4	6	3	1	- 1	1 2		- 1	- 1	- 1	- 2	2	2	2	2	2		
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1.1	2	1	1	- 1	2	1	****	****		****	****															
12												0.00	DAT	A INVA	IID -										*****	
13												- D/	TA I	UNAVAI	LABIE	-										
14												- DA	TA I	UNAVAI	LABLE											
15												- D4	TA I	UNAVAI	LARIE											
16												- D4	TA I	UNAVAI	LABLE											
17												- D4	TA	UNAVAI	LABLE											
18												- DA	TA I	UNAVAI	LABLE											
19												- DA	TA	UNAVAI	LABLE											
20												- DA	TA	UNAVAI	LABLE	-										
21												- DA	TA	JNAVAI	LABLE	-										
22												- DA	TA	UNAVAI	LABLE	160										
24	-						-	-		•		2		2 2		2	2	2	1	1	- 1	2	2	2	*****	
25	2	2	1	!	!	1	1	. 1	1	. 1	1	1		2 3	2	2	1	1	1	1	1	2	ō	ō	1	
26	0	0	••••		••••		****	****	****	****	****		***			****		****		****	****	ō	ō	ŏ	*****	
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28	2	3		2				0	0	0	0	0		0 0			0	****		****	****		1	2		
29	2	3	2	- 2	1	2	2	2	2	1	1	1.	- 1	1 1	0	****	0	0	1	1	1	1	1	2		
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PERCENTAGE OF DATA VALID - 55.2 PERCENTAGE OF DATA INVALID - 10.1

PERCENTAGE OF DATA UNAVAILABLE - 34.7

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1977

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION -	WC	NO	29026	BRAMPTON/WOODWARD	HAMILTON
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MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1977

OF DATA

MONTH	NO OF DAYS	AVERAGE CON	CENT 24-HOUR	MAXIMUM MAXIMUM REA	DING
JAN	29	2.5	7	18	
FEB	5	2.2	3	6	
MAR		D	TA UNAVAILABLE		
APR	16	1.0	2	4	
MAY	31	1.2	3	17	
JUN	25	0.6	2	4	
JUL	22	0.5	2	6	
AUG	21	1.6	8	10	
SEP	24	1.0	3	8	
OCT	25	0.7	2	5	
NOV	30	0.1	2	4	
DEC	16	0.9	3	7	
YEAR	244	1.1	8	18	

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

UNITS - 0.01 PARTS/MILLION POLLUTANT - SULPHUR DIOXIDE STATION - WC NO 29026 BRAMPTON/WOODWARD HAMILTON MONTH 00 TO 04 05 TO 10 11 TO 14 15 TO 25 26 TO 39 40 SOVER TOTAL 2 1 0 0 698 JAN 600 0 0 0 0 142 13 FEB 129 MAR DATA UNAVAILABLE 0 0 384 384 0 0 APR 0 MAY 2 0 0 0 0 621 JUN 621 0 0 0 JUL 545 3 548 0 AUG 499 42 0 578 0 594 SEP 16 0 0 0 0 0 0 0 719 NOV 719 0 0 0 DEC 3 0 411 YEAR 185 2 0 0 6030 5839 FREQUENCY DISTRIBUTION BY PERCENTILES CONCENTRATIONS PERCENT

| CONCENTRATIONS | CONC

ARITH

1.1

MAX 18

99

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE

UNITS - D.OT PARTS/MILLION

	STA	TION		NO 2	9080	С	ITY HAL	L	HAMILT	ON						MON	гн	JAN	77				12/12/	50000 000	
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23		EAN
1 2 3 4 5	0 0 4 0	0 0 1 3	0 1 3 0	0 0 1 3	0 0 4 0	0 0 2 1 4	0 0 2 1	0 1 1 1 1	0 0 1 0 1	0 0 2 0 1	0 0 1 0	0 1 0 0 1	0 0 1 0 0 1	0 0 0 0 6	0 0 1 0 0 5	0 0 2 0 0 6	0 2 0 0	0 1 2 0 0	0 0 1 0 0 4	0 0 1 0 0 2	0 1 0 0 3	0 0 1 0 1 3 1	0 1 0 2 2	0 1 0 2 3	0 1 1 0 4
6 7 8 9 10	3 1 3 2	3 1 3 2	3 2 2 2 2	3 2 1 3	0 3 3 2 1 3	3 2 1 3	2 2 1	2 3 1 2	2 ** 3 1 2	2 1 2	1 1 2	1 1 2	1 2 1 2	1 2 1 2	1 2 3 2	1 2 4 2	1 2 5 2	1 2 4 1	1 2 3 1	1 2 4	3	2	1 3 2 0	1 3 2 0	2 2 2 2
11 12 13 14 15 16 17 18 19	0 1 1 3 4 1 1 1 2 1	0 1 4 4 1 1 1 2	0 1 1 6 3 1 1 2 2 1	0 1 7 3 0 1 3 2 1	1 2 1 6 2 0 1 3 2 1	1 2 1 7 2 0 1 3 2	2 1 7 2	1 2 1 7 2 0 2 3 1 1	1 2 1 7 3 0 2 • 3 2 1	1 3 2 5 2 1 •••	1 2 2 4 1 1 2 1 4 2	. 2 4 2 1 2 1 3 2	1	1 1 2 5 1 1 2 1 1 2	0 1 2 5 2 1 2 1 1 2	0 1 3 5 1 1 2 1	0 1 2 5 1 1 2 1 1 1	0 1 2 4 1 1 2 2 1 1	0 1 3 5 1 1 2 2 1 1	0 1 3 6 1 1 2 1 1 2	1 4 5 1 1 1 1 2	1 0 3 5 1 1 2 1 1 2	0 3 5 1 1 2 1 1 2	0 3 5 1 1 2 2 1 2	1 2 5 2 1 2 2 2 1
21 22 23 24 25 26 27 28 29 30	2 1 1 7 3 0 1 2 1 1	2 4 1 8 4 1 1 2 1 1	3 4 2 9 4 1 0 2 1 1	3 2 9 3 1 1 2 1	3 2 1 8 3 1 1 2	4 2 9 4 1 1 2 1	3 2 1 7 4 1 1 3	3 2 6 4 1 1 3 1	3 2 1 6 4 1 1 3	3114411	2 2 2 5 3 1	2 2 2 5 2 1 2 2 1 1	5 2 1 2	1 2 4 5 2 2 2 1 1 1	1 2 4 4 1 1 2 1 1 1 1	1 1 5 4 1 1 1 1 1 1	1 3 4 4 1 1 1 1 1 1 1 1	1 3 4 4 1 2 1 1 1 1 1	1 3 3 4 1 2 1 1 1 1 1	1 2 3 5 0 1 1 1 1 1	1 2 3 5 1 1 1 1 1 1 1	1 2 4 5 1 2 2 1 1 1 1	0 1 5 4 1 2 2 1 1 1 1	0 1 7 4 1 1 2 1 1 1 1	2 2 3 6 2 1 1 2 1 1
31 MEAN	1 2	1 2	1	1	1	1	1 2	1	2	1	1	1	2	1	1 2	1	1	1 2	2	1	2	2	1	2	1.7

PERCENTAGE OF DATA VALID - 99.2

PERCENTAGE OF DATA INVALID - 0.8

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. "****" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. "***** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

UNITS - 0.01 PARTS/MILLION POLLUTANT - SULPHUR DIOXIDE CITY HALL HAMILTON MONTH - FEB 20 21 22 HOUR 10 11 12 13 15 16 1 2 3 4 5 6 7 8 9 10 2 5 4 11 12 13 14 15 16 17 18 19 20 3 5 8
DATA INVALID
DATA INVALID
4 3 21 22 23 24 25 26 27 28 2.0 MEAN

PERCENTAGE OF DATA VALID - 82.6

PERCENTAGE OF DATA INVALID - 17.4

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. . INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNITS . O.O1 PARTS/MILLION

															0.	A.	1 J/m	rerio	ra .						
	STA	TION	- WC	NO	29080		CITY	HALL	IMAH	LTON						MON	TH - I	MAR	77						
DAY	1	2	3	4	5	6	7	. 8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 M	EAN
1 2 3	1 2 2	1 2	1 1 3	1 1 3	1 1 3	1 1 3	1 1 3	1 1 2	1 2 3	1 2 4	1 1 6	1 1 8	1 1 4	1 1 6	1	1	1 2	1 2 3	1 1	1	1 2	1 2	1 2	1 2	;
5 6 7 8	1 2 1	3 1 2 1	1 2 1	3 1 2 1	2 1 2 1	1	1	1 1	3 1 0	1 1	1 1	1 1 1	1 1	5 1 1	1 1	····	1 1	5 1 1 1	3 1 1	5 2 1 1	1 1	2 1 1	1	1 1 1 2	3
8 9 10	3 2	3 2	2 2	3 2	3 2	3 2	3 2	3 2	3 2	2 3 3	3	2 3 3	2 2 2	3 2 2	2 3 2	3 2	4 3 2	3	3 3 1	3	3 3 1	3 2	3 3 2	3 2	3 2
12 13 14 15 16 17 18 19	3 0 0 1 0 2 0 0	240000000	24 00 1 0 3 0 0	260010200	50000202	2 4 0 0 0 0 1 0 2	3 2 5 0 1 0 0 1 0 3	3 2 4 0 2 0 0 0 0 4	5 4 3 1 4 0 0 0 0 3	7 5 2 1 2 0 0 0 1	6 10 3 0 1 0 0 1	5 13 2 0 1 0 0 0 0 1	5 13 1 0 1 0 0 0 0	6 7 1 0 1 0 0 0 0 0	8 2 1 0 2 0 0 0 0 0	13 6 1 0 6 0 0 0 0 0	12 5 1 0 5 0 0 0 0 1	8 5 2 0 2 0 0 0 1 1	4 5 2 0 3 0 0 0	3 2 0 2 0 0 0 3 0	4 3 1 0 2 0 0 0 3 0	3 4 1 0 2 0 0 0 1 0	3 3 1 0 2 0 0 0 0 0	3510200001	5 3 0 2 0 0 1 0 1
21 22 23 24 25 26 27 28 29 30	0 1 2 1 0 1 1 2 3 2	0 1 1 0 0 1 1 3 2 1	0 1 2 1 3 3 1	0 4 1 0 1 2 2 5 4	1 3 1 0 1 2 2 3 3 3 2	0 4 1 0 1 2 3 4 3 2	1 5 1 0 1 2 2 4 4 3	1 3 1 0 1 2 3 4 4 6	2 * 1 1 0 1 2 2 3 5 5	1 1 0 1 0 6 3 5	1 1 0 1 0 3 3 3 6	2 1 0 0 0 8 3 2 3	1 0 0 0 11 3 2 2	1 1 0 0 0 7 5 2 2	1 1 0 1 0 7 5 2 2	2 1 1 0 0 0 8 5 2	1 1 2 0 0 0 8 7 2	3 1 1 0 1 0 5 6 2 2	1 1 0 0 1 6 5 2 2	3110002522	1 1 0 0 0 1 4 2 2	1 1 0 1 1 4 2 2	1 1 1 1 0 1 1 3 2 1	1 2 1 0 1 1 2 3 2	1 2 1 0 1 1 4 4 3 3
31	1	1	1	1	,	1	1	1	1.	•••	0	1	1	1	0	0	0	0	0	0	0	0	0	0	1
MEAN	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1.7

PERCENTAGE OF DATA VALID - 99.6

PERCENTAGE OF DATA INVALID - 0.4

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. . INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEJS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	PO	LLUTAN	r - s	ULPH	JR DIO	XIDE								UNITS	- 0.	01 PA	RTS/N	AILLIC)N							
	ST	ATION -	wc.	NO :	9080	0	CITY	HALL	HAM	LTON						MON	тн -	APR	77							
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1 2 3 4 5 6 7 8 9	0 1 1 3 0 0 0 1	0 1 1 2 0 0 1 0 1	0 1 1 1 0 0 1 0 1	0 1 0 4 0 0 0 1 0 1	0 1 1 2 1 0 0 0 1 1	0 1 1 3 1 0 0 1 1 1	0 1 1 3 1 0 0 1 1 1	1 0 0 4 0 1 0 0 1 2	3 0 0 0 1 1 2	3 0 3 0 1 1 1 3	201400011113	4 0 1 3 0 0 1	6 0 3 0 0 1 1 0 2	4 0 0 2 0 0 1 1 0 2	1 1 0 3 0 0 1 1 2	1 2 0 4 0 0 1 1 1 1	4 2 0 4 0 0 1 1 1	7 2 0 2 0 0 1 1 1	51 0 1 0 0 1 1 1	2 1 3 3 0 0 1 1	4 1 1 2 0 0 1 1	1 1 5 0 0	1 1 3 5 0 0 1 1	3 1 1 3 0 0	2 1 1 3 0 0 1 1	
11 12 13 14 15 16 17 18 19	4 2 3 0 0 1	6 2 2 0 1 1 2 5 3	4 2 2 0 1 1	5 2 2 0 1 1 1 5 4 4	5 2 2 0 1 1 8 4	5 2 2 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	4 2 2 0 1 2	3 2 2 0 2 2 4 8 6	2 2 2 2 0 3 3 3 6 4	2 2 2 0 7 5 5 6 5	2 2 2 1 6 5 5 4 8 3	2 2 8 2 8 11	3 2 0 6 2 3 13	3 2 0 2 3 1 6 2 11 7	2 3 2 0 3 3 0 5 1	3 2 1 3 2	3 2 1 3 3 3 4 12	3 2 1 3 2 3 5 8	3 3 1 5 3 2 5 6	3 2 2 1 2 5 2 5 4	3 2 2 0 1 3 	4 2 0 0 2 	30001	5 2 2 0 0 1 **** 6 4 4		
21 22 23 24 25 26 27 28 29 30	101000211111	1 0 0 0 2 1 1 1 1 1	1 0 1 0 0 2 1 1 1 1 1	1 0 2 0 1 1 1 0 1 1	2 0 1 0 1 1 1 0 1 2	2 0 3 0 1 1 1 0 0 1 1	2 0 4 0 1 1 1 0 1 2	1 0 1 2	2 0 2 1 0 1 2	2 0 1 0 2 3 1 1 1 1	2 0 1 0 2 3 1 1 1 1 1	3 0 1 0 2 3 1 1 1	3 0 0 0 2 2 1 1 1 1 1	3 0 0 0 2 3 2 1 1 1	30001355211	20001342111	20000232212	20102333212	20202222212	1010222212	1010112212	1 0 1 0 1 1 3 2 1	0 0 1 0 1 1 3 2 1 1	0 1 0 0 1 1 1 3 3 1 1 1	2001	
MEAN		4		1	1	2	2	2	2	2	2	2	2	2	2	2	3	2	2	2	2	1	2	2	1.8	

PERCENTAGE OF DATA VALID - 96.4

PERCENTAGE OF DATA INVALID - 3.5

PERCENTAGE OF DATA UNAVAILABLE - 0.1

- NOTES 1. ****** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE
 - 2. *- INDICATES DATA IS UNAVAILABLE
 - 3. "***** INDICATES LEJS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

				1.00	dieno le									OHI I	3 . 0.	UI PA	K 13/M	ILLIO	110							
	5	TATIO	N A	. NO	2908	80	CITY	HALL	HAM	ILTON						MON	TH - 1	MAY	77							
HOUR DAY	1	2			1 5	6	7	В	9	10	11	12	13	14	15	16	17	18	, 19	20	21	22	23	24	MEAN	
1 2 3	1 3 1	3	3		2 2	2 2	3 2 1	1	1 2	2 1 2	3 1 2	3	4	3 1 3	3	3	3	2	3	4	3	3	3	3	3	
5	••••	2	2					3	2	1	4		DATA	I NVA	LID -	- 1	5	2	!	2	3	2	2	1	-	2
6 7	0	1			1	1	1	1	1	1	1	1	1	1	1	1 3	1 2	1	1	1	ō	0	0	0	1	
9	0	0	0	1	0	0 0	1	0	0	0	0	0	0	2 0 0	0	ŏ	ō	0	0	0	0	0	0	0	Ċ)
11	1		!	1	O	0	-	1	1	1	1	1	0	1	2	2	1	1	ī	••••	••••	••••	••••	••••	1	Ĺ
12	!	1	1	0		0		0	1	1	0	1	1	0	3 1	3	1	2	2	2	1	1	1	1	******	i
14	0	0	0		1	1	1	2	1 2 4	2	2	2	5	4	7	5	4	2	0 5	3	0	0	0	0	2	2
16	1	1	1	1	1	1	1 2	1 2	1 2	3		5	4	•••••	8 2	3	3	3	1	1 3 2	1 2 2	2	2	2	2	2
18 19	1	2 0		0	0	0		0	1 2	1	1	1	1 2	1 4	1 5	1 3	1	2 3	3 2 3	1	1 2	3 1 2	3 1 2	1	1	2
20	3	1 2	0		_			1	2	4	3	2	2	4	3	4	6	3	2	2	2	2	7	7	2	į
22	1	2	2	2	2	1	2 2	3	4	3	3	3	9	10	10	7 5	7 5	13 5	9	6 8	4	2	2	1	5	į
24 25 26	1 0	1	1	1	1	1	1	1	1	1	2	2	2 2 3	1	****	1	0	0	9 8 7 0 2 2	8		0	0	0	1	
27	0	0	0	0	0		1	1	1	1	2	3	4 2	4	4	5	4 2	3 2	2	2 2 3	1	1	2	i	- 1	t
28 29 30	4	3	5	4	4	3	1 3	2	2 2	2	2	2	2	2 2 3	2	2	3	1	1 2	1	1 2	1	2	3	2	1
31	1	0		,,,,	••••				••••	10	****	13	7	7	8	5	5	6	4	3	2	1	1	1	*****	i
MEAN	1	1	1	1	1	1	1	1	2	2	2	13	11	11	6 3	6	6 3	7	4	3	2	2	1 2	1		į
									-	-	-	-	_		3		3	4	2	2	2	- 1	- 4	1	1.6	,

PERCENTAGE OF DATA VALID - 91.0 PERCENTAGE OF DATA INVALID - 9.0

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. *- " INDICATES DATA IS UNAVAILABLE
- 3. ******* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POL	LUTAN	T . 5	ULPH	R DIO	XIDE							ι	NITS	- 0.0	01 PAF	RTS/MI	LLIO	N						
	STA	TION	- wc	NO 2	9080	¢	ITY HA	ALL	HAMIL	TON						MONT	тн - "	JUN	77						
HOUR	1	2	3	4	5	6	7	В	9	10	11	12	13	14	15	16	17	18	. 19	20	21	22	23	24 M	EAN
1 2 3 4 5 6 7 8 9	1 0 1 2 3 0 0 0 1	1 1 0 0 2 2 1 0 0 1	1 0 0 2 2 2 2 0 2	1 1 0 0 2 2 1 0 1 1	1 0 0 2 2 1 0 1 1	1 0 0 3 1 0 0	1 0 0 3 1 0 0 1 1	1 0 0 3 1 0 0 1 1	1 1 0 1 2 1 0 0 0 1	1 1 2 0 0 0 0 1	2 0 1 1 2 0 0 1 1	2 0 1 2 2 0 0 0 3 1	2113200021	2 1 3 4 1 0 0 3 1	2 1 3 5 1 0 0 4 1	2 1 1 2 4 1 0 1 2 1	2 0 1 2 4 1 1 1 1 3	1 0 1 2 3 1 0 1 1	1 0 1 2 2 1 0 0	1012110012	1 0 1 2 1 1 0 0 1 1	1 0 1 2 1 1 0 0	1 0 1 2 1 1 0 0	1 0 1 2 2 1 0 0 1 0	1 1 2 1 0 0 1 1
11 12 13 14 15 16 17 18 19	0 1 1 1 3 2 3 2 1	0 1 1 2 3 2 2 1	0 1 1 1 2 3 2 1 1	0102123221	0 1 1 4 1 1 4 2 1 0	1 1 4 1 1 3 2 1 0	0 1 1 1 1 2 2 1 0	1 1 2 6 2 2 2 2 2 0	1 2 3 4 4 5 2 2 2 1	1 2 4 11 5 10 2 2 1	1 2 3 12 6 8 2 1	1 5 12 3 8 3 2 2	1 2 6 9 3 6 3 2 2	1 3 8 4 3 7 2 2 2	1 3 12 6 3 6 2 2 2	1 2 11 6 3 6 3 2 2	1 1 5 2 3 3 2 2 2 2 2	1 1 6 6 3 5 2 2 2 2	1 1 5 4 3 5 2 2 2 2	1 1 3 4 3 5 2 2 1 2	1 1 2 3 2 4 2 2 2 2 2	1 1 2 3 2 3 2 2 1 2	1 1 2 2 1 2 2 2 1 2	1 0 1 2 2 2 2 2 1 1	1 4 5 2 4 2 2 2
21 22 23 24 25 26 27 28 29 30	1 1 3 1 2 3 2 1	1 1 1 3 1 2 3 2 1	1 1 1 2 1 2 3 2 1	1 1 1 2 1 2 3 2 1	1 1 1 2 1 2 1 3 2 1	2 1 1 1 2 1 2 3 2 0	2132212320	2 1 6 3 2 2 2 3 1 0	2154222311	2 2 6 4 2 2 3 1 1	2 2 7 6 2 2 3 1 1 2	2 2 4 9 2 2 3 1 1 2	2335223223	2 2 3 4 4 3 3 3 2 3	2 3 4 5 3 3 3 4 2 4	2 4 3 5 3 3 4 2 2 2	252522922	2 4 4 4 2 2 15 2	2 3 5 4 2 3 1 1 2 2 2	2 4 5 4 3 3 3 2 2 2 2	1 3 4 4 2 3 3 2 1 2	1 2 3 4 2 2 4 2 2 2 2	1 2 4 2 2 4 2 1	1 1 3 2 2 3 2 1	2 2 3 4 2 2 4 2 2 1
MEAN	1	1	1	1	4	4	2	2	2	2	2	3	2	3	3	. 3	2	3	2	2	2	2	1	1	2.0

PERCENTAGE OF DATA VALID - 100.0 PERCENTAGE OF DATA INVALID - 0.0

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. "***** INDICAT'ES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

	PO	LLUTA	ANT -	SULPH	UR DI	OXIDE								UNITS	- 0.	01 PA	RT5/N	MILLIO	IN							
	ST	ATION	4 - WC	NO.	29080		CITY	HALL	HAM1	LTON						MON	тн -	JUL	77							
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1 2 3 4 5 6 7 8 9	0 0 3 0 1 2 0 0 0	0 0 3 1 0 0 0 0	0 0 3 1 0 1 0 0 0	0 0 3 0 0 1 0 0 0	0 0 0 0 0 0 0 0 0	0 0 0 0 0	0 0 3 1 0 0 0 0 0	0 0 3 1 0 1 0 0 0	0 0 3 1 0 2 0 0 0	0 0 3 1 0 1 0 0 0	0 0 5 1 0 1 2 0	0 4 1 1	1 0 3 1 1 2 4 0	0 4 1 1 3 2 0	0 0 2 1 3 3 0 0	0 0 0 1 2 2 1 0 0	0 0 1 1 2 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 1 1 2 0 3 0	0 0 0 1 3 0 2 0	0 0 0 1 3 0 1 0	0 0 0 1 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 1 0 2 0 0 0 0 0	0 0 1 0 0 0 0	0010020000	0 0 2 1 1 1 1 1 0 0	
11 12 13 14 15 16 17 18 19 20	9 2 1 1	**** **** 8 2 1 0		7 2 1 0 0	7 1 1 0 0	7 2 1 0	**** 6 1 1 0 0	6 1 1 0 0	**** 2 6 1 ****	3 6 1 4 2	**** 6 6 1 3 2	-	DATA	1	ID -	**** 15 5 1 2 1	3 14 5 1 2 1	6 14 4 1 1 1	13 4 1 1	**** 12 4 0 0 1	**** 11 4 0 0 1	**** 11 4 0 0 0	**** 10 4 0 0 0	9 4 0 1 0 0		
21 22 23 24 25 26 27 28 29 30	0 3 3 3 3	0 0 3 3 3 3	0 3 3		0 0 3 3 3 3 3	0 0 3 3 3	0 0 2 3 3	0 0 2 3 3	0 1 2 4 3	0 4 2 3 ****	0 4 2 3	2 2 3 **** 7 - D	ATA UI	2 2 3	ABLE ABLE	*	1 3 3 4 ****	1 3 3 4 ****	1 3 3 3 ****	1 3 3 3 ****	1 3 3 3 5	0 3 3 3 ****	0 3 3 3 3 ****	0 3 3 3 3 ****		
MEAN	2	2	2	1	1	1	1	1	1	2	2	2	3	3	3	2	2	3	2	2	2	2	2	2	1.9	

PERCENTAGE OF DATA VALID - 62.4 PERCENTAGE OF DATA INVALID - 25.8 PERCENTAGE OF DATA UNAVAILABLE - 11.8

NOTES 1. "**** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POL	LUTANT	. 5	SULPH	UR D	OXIDE	E							UNITS	- 0.	01 PA	RTS/M	LLIO	N.						
	STA	TION -	wc	NO	29080	0	CITY	HALL	HAMI	LTON						MON	тн - д	UG	77						
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	. 19	20	21	22	23	24	MEAN
1 2 3 4 5 6 7 8 9	2	i	1	0		-	. 0	5	0	. 0	3 0	- DA - DA - DA - DA - DA	TA UN TA UN TA UN TA UN TA UN	NAVAILA NAVAILA NAVAILA NAVAILA NAVAILA NAVAILA NAVAILA O	BLE BLE BLE BLE		3 0	2 0	1 0	1 0	1 0	1 0	20	2 0	
11 12 13 14 15 16 17 18 19	2 1 1 2 1	2 1 1 2 1	2 1 1 2 1	1 1 1 2 1	2 1 2 1	2 1 1 2 1	**** 1 1 1 2	2 1 1 2 1	2 1 1 2 1	**** 1 1 1 2 2	2 1 1 2 2	*	DATA DATA DATA 3	INVALIINVALIINVALIINVALIINVALIINVALIINVALIINVALIINVALIINVALII	D -	3 2 1 1 3 2	3 1 1 1 3 2	3 1 1 1 2 2 2	3 1 1 1 1 2	3 1 1 1 1 2	3 1 1 2 2 2	3 1 1 1 2 2	3 1 1 1 2 2 2	2 1 1 1 2 2 2	2 1 1 2 2
21 22 23 24 25 26 27 28 29	2 2 3 0 2 2	2 2 2 0 2 1	1 2 2 0 2 2	1 2 2 0 2 1	1 2 2 0 2 1	1	2 2 2 2 2 2 2	2 2 2 2 2 2	2 1 2 2 6	2 2 1 3 2 6	2 1 2 3 8	0	DATA 1	2 1 2 4 4 INVAL	D -	2 2 1 2 2 4	2 2 1 2 2 2 5	2 1 2 2 2 5	1 1 2 2 3 3	1 1 2 2 0	1 2 1 2 3 0	1 2 3	2 1 2 2 2	2 2 1 2 2 2	2 2 1 2 2 3
30 31 MEAN	2	3	3	3	2	2	2	2	2	2	3	6	9 3		10 3	8	9	12	. 8	12	16	5	4	5	6 1.9

PERCENTAGE OF DATA VALID - 47.2 PERCENTAGE OF DATA INVALID - 25.7

PERCENTAGE OF DATA UNAVAILABLE - 27.2

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNITS . O. O1 PARTS/MILLION

	ST	ATION	·	NO :	29080		CITY	HALL	HAM1	LTON						MON'	TH - 5	SEP	77						
HOUR	1	2		4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	. 19	20	21	22	23	24	MEAN
1	5	5	5	5	4	4	4	4	4	4	4	5	4	4	4	3	2	2	1	1	1	1	1	0	3
2	0	0	1	0	0	0	0	1	0	11	1	1	2	3	3	3	3	2	1	1	0	0	0	0	1
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	ō	0	1	0	0	0	0	1	2	2	1	3	5	4	2	1	0	0	0	0	0	0	0	0	1
5	o	ō	0	0	0	0	0	0	ō	0	0	0	0	1	1	0	0	0	0	0	0	1	0	0	0
6	ō	0	1	0	0	0	0	o	ō	0	0	0	0	1	5	4	4	4	3	2	1	1	1	1	1
7	2	2	3	3	1	2	2	2	2	2	2	3	3	3	3	3	2	2	2	2	2	0	1	2	2
8	2	1	1	4	3	3	1	- 7	1	ō	1	2	2	3	3	2	2	2	1	2	3	2	0	0	2 2 2
9	ō	ò	ò	0	ō	ō	2	3	3	3	3	3	3	3	4	3	3	3	3	2	1	1	1	1	2
10	ō	1	ō	ō	ō	ō	ō	ō	ŏ	ō	ō	ō	0	ō	0	ō	0	0	ō	ō	0	0	0	0	0
11	0	0		1	4	×		1	1		1	1	0	0	•	4	1	1	0	0	0	0	0	0	1
12	ŏ	ő	ò	ò	ò	à	á	ò	ò	ò		ò	ŏ	ŏ	ò	ò	ò	ò	ŏ	ŏ	ŏ	õ	ō	0	0
13	ž	ž	0	ŏ	ő	ž	~	ŏ	č	ŏ	ò	ŏ	ŏ	ŏ	2	š	2	2	2	2	š	ĭ	2	2	1
14	ž	Ÿ	·	2	2	ž	2	2	0	2	2	2	2	2	2	5	2	- 7	7	- 7	- 7		ō	1	2
15	- 1		0	ő	ő		ő	- :	2	3	5	2	3	2	2	5	2	- 4	- 1	4		- 1	ĭ	1	ī
15		0		ő	0	ò	ő		á	0	2	,	,	ō	ő	•	•	3	2	2	2	•		2	•
16	0	0		2	9	ŏ	2	2							ŏ	-	2	2	2	2	2	•	- 7	- 7	9
	- 2	2	2	2	- 4							3	3	3	3	3	•	2	2	3		5	•	2	5
18		- 1	- 1	1	- 1		- 2	Ļ	1	- 4	5 2	ູ	3	3	3	2	3	5	2	2	•	•	- 7	2	2 2 2
19	2	- 1	3	2	2	- 1		- 2	2	- 2		3	3	3	4	3	5	•	2		- 1	ò	ċ	ō	- 1
20	2	2	1	3.	,	. 1	-1	4	0	1	,	- 1	- 1	361	2	3	3		2	,	-1		٠	٠	•
21	1	0	0	0	0	0	0	0		1		1	1	1	1	0	0	1	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	- 1	1	0	- 1	0	1	1	1	0	0	0	0	0	0	0	
23		2	1	1	1		4	2	2	- 1	1	2	1	1	1	1	1	1	1	- 1	-1		2	1	1
24	1	1	2	2	2	2	2	1	1	1	1	0	0		1	0	0	0	0	- 1	0	0	0	0	1
25	0	0	0	0	0	0	0	0	0	0	1	1	2	2	3	2	1	1	0	1	1	0	0	0	1
26	0	1	1	1	0	0	0	0	0	1	1	1	1	1	3	3	2	1	1	****				****	1
27												-	DATA	INVALI	D -										
28														INVALI											
29														INVALI											
30	••••	••••	••••	••••	••••	••••	••••	••••	••••	••••	••••	••••	••••	••••	•••	1	1	1	1	0	0	0	••••	••••	*****
MEAN								-				- 1	- 1	,	2	9	2	-	- 1			1	1	1	1.1

PERCENTAGE OF DATA VALID - 85.8

PERCENTAGE OF DATA INVALID - 14.0

PERCENTAGE OF DATA UNAVAILABLE - 0.1

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "." INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

UNITS - 0.01 PARTS/MILLION POLLUTANT - SULPHUR DIOXIDE CITY HALL HAMILTON STATION - WC NO 29080 11 12 13 14 15 DATA INVALID DATA INVALID DATA INVALID 00 0 0 00 00 10 2 2 DATA INVALID 2 2 3 4 3 6 0 0 1 2 2 1 3 3 1 1 0 0 11 12 13 14 15 16 17 18 19 04200110 1 1 2 1 0 1 0 0 10 2 21 22 23 24 25 26 27 28 29 0 0 30 31 2 2 1.3

PERCENTAGE OF DATA VALID - 77.2

PERCENTAGE OF DATA INVALID - 22.8

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. .. INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEJS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNITS - 0.01 PARTS/MILLION

														100											
	STA	TION	wc	NO	29080		CITY	HALL	HAMI	LTON						MON	HTH -	NOV	77						
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0		0	2	2	1	3	5	2	3	3	2	,	
2	1	1	1	1	1	0	0		3	3	2	1	1	1	1	1	1	1	3	4	4			2	
2 3 4 5 6 7 8 9	3 2 2 3	3	3	3	3 2 2	3	0 2 2 3	2 3 2 0 2	3 2	3 5 2	4	3	4	5	4	4	3	3	3	4 2 0	4 2 0 2 2	3 2 0	3 2 0 3	2	
4	3	2	2	2	2	2	2	3			2	1	1	1	1	1	1	1	1	0	0	0	0	1	
5	2	1	1	1	2	2		2	2	1	1	1			2	2	4	3	3	3	2	3		3	
0	2	2 2	1	1	1	1	0	0	0	0	0	0	C) 1	1	1	1	- 1	1	1	2	3	3	3	
é	1	1	2	5	0	1	2		2	- 13	1	1	1	1	1	2	3	1	3	2	2	1	1	1	
9	ò	- 1	2	0	· ·	- 2	ò	2	2	1	0	0	C		0	0	0	0	0	0	0	0	0	0	
10	0	- 1	2	2				0		0	0	1	2	4	6	3	1	- 1	0	0	0	0	0	0	
10	•		1													****	****	****	****	****	****			****	*****
13 14 15 16 17 18 19	,											- D	DATA DATA DATA DATA DATA ATA U	INVA INVA INVA INVA INVA INVA INVA	LID - LID - LID - LID - LID - LABLE LABLE	•									
21												- D	ATA U	NAVAI	LABLE	*									
22														NAVAL											
23														NAVAL											
25												- D	ATA U	NAVAII		*									
26	1		-			- 0			-	- 2	-		- 1		1	1	0	0	0 2	1	1	1	1	1	****
27	ò	0	0	- 1	- 1	1	0	0	- 1	1	- 1	- 1	2		0	0	0	0	0	0	0	0	0	0	
28		0				3	3	1	3	1.		1	0		1	2	2	1	2	1	2	2	****	****	
29														INVA											
30														INVA											
														INVA	.10 -										
MEAN	1	1	1	1				1	1	1	1	1	1	-1	2	2	1	1	2	1	2	2	1	1	1.
PERCENTA	GE O	F DATA	VAL	10 -	38.3			PERCE	NTAGE	OF D	ATA 1	INVAL	ID -	38.1		PE	RCENT	AGE C	F DAT	A UNA	VAILA	BLE -	23.6		

PERCENTAGE OF DATA UNAVAILABLE - 7.1

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

POLLUTANT - SULPHUR DIOXIDE UNITS - 0.01 PARTS/MILLION STATION - WC NO 29080 CITY HALL HAMILTON MONTH - DEC 77 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 MEAN HOUR DAY DATA INVALID O 12 13 14 15 16 17 18 19 20 22 23 24 25 26 27 28 DATA UNAVAILABLE 30 MEAN 1 1 1.4 1 1 1 1 1 1 1 1 1

PERCENTAGE OF DATA VALID - 87.5 PERCENTAGE OF DATA INVALID - 5.4 NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEJS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1977

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - W"	NO 29080 CITY HALL	HAMILTON		
MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	1.7	6	9
FEB	22	2.0	5	8
MAR	31	1.7	5	13
APR	28	1.8	7	13
YAM	28	1.8	5	13
JUN	30	2.0	5	15
JUL	18	1.9	11	16
AUG	14	1.9 *	6	16
SEP	26	1.1	3	5
OCT	22	1.3	3	10
NOV	11	1.3	3	6
DEC	25	1.4	4	12
YEAR	286	1.7	11	16

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

UNITS - 0.01 PARTS/MILLION

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1977
POLLUTANT - SULPHUR DIOXIDE

STATION - WC NO 29080 CITY HALL HAMILTON

SIMITON	#C 140	250	••					***																
MONTH	00 TO	04	05	то	10	11	то	14	15	TO	25	26	TO	39	40	BOVER	R	TOTAL						
JAN	6	94			44			0			0			0		(0	738	į					
FEB		501			54			0			0			0		(0	555	i					
MAR	•	580			56			5			0			0			D	741						
APR	•	533			56			5			0			0		(0	694	į					
MAY		529			43			5			0			٥			0	677						
JUN		673			40			6			1			0			0	720	,					
JUL		408			45			8			3			0			0	464	1					
AUG	;	330			18			2			1			0		9	0	351	1					
SEP	i	610			8			0			0			0		3	0	618	3					
ост		557			17			0			0			0		19	0	574	ı					
NOV	:	272			4			0			0			0		9	0	276	5					
DEC		638			11			2			0			0			0	651	ì					
YEAR	6	625			396			33			5			0			0	7059	•					
FREQUENCY	DISTRI		ON E	ВЧ	PERC	CENT	ILE	S					co	NCEI	UTDA	TIONS								
	OF DAT										REO	UENC	YD	IST	RIBU	TION.	PE	RCENT					ARITH	
	VALID		MI	N		1	0		30		5			70		90	_	95	98		99	MAX	MEAN	
	80.	6	0			٥.	0		0.2		٥.	8	1	. 6		3.1		4.4	6.1	3	7.8	16	1.7	

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

	STA	TION	· ¢	NO	31001	6	7 CC	LLEGE	ST F	IFTH	FLOOR	TOR	ONTO			MON	тн	JAN	77						
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	: 9	20	21	22	23	24 M	EAN
1 2 3	1 1 2	1 1 2	1 1 2	1 1 2	1 1 2	0 1 2	0 1 2	1 1 2	1 1 2	2 1 2	1 2	1	1 1 3	1 1 3	1	1 2	5	1 5	1	1 2	1 2	1 2	1 2	1 2	1 2
4 5 6	3 2 3 7	2	4 2 3	4 2 4	5 2 3	4	2 2 5	2 6	2 1 7	2 7	3 1 5	3	3 2 3	3 2 3	7 2 2 2	2 2 3	1 1 5	1 6	3 0 2 6	1 1 3	1 1 3	1 1 3	2 2 3	2 2 2 3	2 2 4
9 10	3	1 2 1	1	3 2 1	3 2 1	3 2 1	4	4 5 1 1	8 2 0	2 7 2 0	4 0 0	1 3 0 1	4	1 3 1 2	1 2 1 2	1 3 1 3	1 3 1 2	1 4 1 2	1 B 1	1 8 0 2	3 0 2	2	1 3 0 3	2 0	2 4 !
11 12 13	4 3 2	3 3 3	3 2 2	2 2 3	2 2 3	2 2	3 2	1 5 3	5	1 5 3	4 2	1	1 4	1 3 0	1 2 0	1 3	2	1	1 2	1 2	_	 3 2	2 1 2	2 1 3	2
14 15 16 17	5 • 7 1 6	6 1 5	9 5 1	5 3 1 2	6 3 1	6 3 1 2	7 3 1 2	8 3 1 2	B 3	4	14 2	15 15 1	11 13 1	7 5 1	7 3 1	6 1 1 2	6 1 1 2	7 1 2	1 2	8	7 1 1	7 1 2	7 1 3	7 1 6	7 4 2
1 B 1 9 20	2 3 2	2 3 2	3	3	3	3 2 1	3	3	3 1 1	5	3 2 1	2	2	2 2	6	8	9	5	8	5 1 1	5 3 1	4 2 1	2 1 2	3 1 1	3 4 2 1
21 22 23	1 4	1 4	2 1 4	2 1 4	1 4	2 1 5	1 5	1 4	1 4	3 1 6	2 1 5	2 2 5	1 4	7 1 3	 1 4	18 1 5	1 4	1	1 2 6	1 2 5	1 2 5	2 1 6	4 2 6	2 3 7	3 1 5
24 25 26 27 28	8 5 2 1	9 5 2 1	10 4 2	13 4 2	13 5 2 1	11 5 2 1	12 6 2	10 5 1	9 6 1	7 6 2 2	8 5 3 1	7 5 6	7 6 10 2	7 5 3	6 3	4 5 3	4	3 3 2	4 2 2 2	5 2 2 2 5	5 2 1 6	6 2 1 8	7 2 1 16	6 2 3 13	8 4 3
28 29 30	5 4 3	4 3 3	1 1 3 3	13 3 3	20 3 3	12 3 4	3	2 3 4	3 4 4	4	4 3	4 3	3 4 3	6 4 3	11 3 3	17 3 2	12 5 2	4 3 3	4 3 3	3	3	1 4 3	1 3 2	3	6 3 3
31 MEAN	3	4	3	4 3	6 3	5 3	6	5	4	4	4	4	4	••••	3	9	10	9	3	3	3	3	3	2	5
	3	3	3	3	3	3	3	3	3	3	3	4	3	3	3	4	3	3	3	3	2	2	3	3	3.0

PERCENTAGE OF DATA VALID - 97.8

PERCENTAGE OF DATA INVALID - 1.9

PERCENTAGE OF DATA UNAVAILABLE - 0.3

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. *- INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POLI	UTANT	· s	ULPHU	R DIOX	IDE							UNIT	s - o.	01 PA	RTS/M	LLIO	N						
	STAT	ION -	С	NO 3	1001	67	COLLEG	E ST	FIFTH	FLOOR	tor	ONTO				TH - 1		77						
HOUR DAY	1	2	3	4	5	6	7 8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 1	EAN
1 2 3 4 5 6 7 8 9 1 0 1 1 2 3 1 4 5 6 7 8 9 1 0 1 1 2 3 1 4 5 1 7 8 1 9 0 2 2 2 3 4 2 5 6 7 8 2 2 7 8	1251111254 2221100801 1131511	12411331263 4221110402 1332411	2251232373 4231110302 13324 - 1	12511222253 42311100402 02324	21511222263 42211107702 1232441	235535523111115502	2 2 2 1 1 1 1 4 4 4 2 2 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3	2244211524452 633311132 46225511	421524773 2321144163 OB23	1 3 6 6 2 2 1 3 3	1 2 9 9 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	3 4 4 2 2 1 1 1 1 1 3 7 7 4 4 0 0 5 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0 2 2 2 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1	0 8 8 2 2 2 3 3 1 1 12 3 3 3 3 3 3 3 3 3 3 3	17124411444112011301144425114	1411411621 1211101211 1525115	1411412211101211	18114227742 121110011211 1425111	2511522052 1111002221 0525121	2411312252 1211002211 242611	24112342 121100033111 2325111	1411112342 2211006311 2325111	151112742 22120011011 1324111	1331222753 2321112402 1423311
MEAN	2	2	2	2	2	2 :	2 2	3	3	3	3	3	2	0 2	2	2	1	2	1	2	1 2	2	1 2	î 2.3

PERCENTAGE OF DATA VALID - 95.2 PERCENTAGE OF DATA INVALID - 3.4

PERCENTAGE OF DATA UNAVAILABLE - 1.3

- 2. .- INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNITS - 0.01 PARTS/MILLION

	STA	TION	- с	NO	31001	6	COLL	GE ST	F1FTH	FLOOR	TOF	ONTO			MON	TH - 1	MAR	77						
HOUR DAY	1	2	3	4	5	6	7	8	9 10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1 2 3	1 1 2	1 1 2	1 1 2	1 1 3	1 1 3	1 1 4	1 4	1	1 1 2 2 9 6	1 2 4	1 1 3	0 1 3	0 1 2	0 1 2	1 1 2	1 1	1 1	2	1 3 2	1 3 2	1 3 1	2 2	1 2 2	1 2 3
4 5 6 7	2 1 1	2 2	1 2 2	1 1 2	1 2 3 1	0 3 2 1	1 3 2 1		1 0 2 2 1 2		0 4 1 2	0 7 2 1	0 7 1	0 5 2 1	0 4 1 2	1 2 1	1 2 1	1 3 1	1 2 1	2 1 0	2 1 1	1 1 1	1 1 1	1 3 1
8 9 10	0 3 4	0 3 2	0 3 3	0 3 3	1 3 2	1 5 2	1 4 3	5	5 5 8 7 5 6	7	4 5 7	4 5 7	4 3 4	3	8 2	8 2 3	3 4	2 2 3	2 7 3	5	4	3 4	3 5 3	3 4 4
11 12 13 14 15 16 17 18 19	3 1 1 2 1 1 0 1	3 1 2 1 1 0 1 0 1	5 1 0 1 1 1 1 0	5 1 0 2 1 1 0 1	4 1 0 2 1 1 0 1 0 1	4 1 0 1 1 1 1 1 1 0 1	4 1 0 1 1 1 1 1 0 1 ***	1 2 *** 5 1 1 1 ***	3 3 1 1 * 3 5 4 1 1	3	4 3 5 2 2 2 1 0 0	3 6 1 1 1 0 0	3 5 1 4 2 1 0 0	3 2 5 1 2 1 0 0 0	3 2 4 1 3 1 1	31 31 21 1000	1 3 1 1 2 0	1 1 2 1 0 0 2 0 0	1 1 2 1 1 0 2 0 1 0	1 2 0 1 0 1 0 0 0	1 1 0 1 0 0 0 0	1 1 0 1 0 0 0	1 1 2 0 1 0 0 0	3 2 2 1 1 2 1 1 0 0 0 0
21 22 23 24 25 26 27 28 29 30	0 0 0 0 1 1 2 2 1 1	0 0 0 0 1 1 5 2 1 1	0 0 0 0 1 3 1 1 1	0 0 0 0 1 2 1 1 2	0 0 0 0 1 3 1 1 2	0 0 0 0 0 1 3 1 1 1	0 0 0 1 0 1 4 1 1 1 1 1	1 ****	 D 0	0 0 1 0 2 2 1 4	0 3 1 0 2 2 1 4 3	**** 1 3 1 0 2 **** 3 3	1 0 0 0 1 1 3 3 3	1 1 0 1 0 1 2 1 2	200010211332	2000111211992	3 0 0 1 1 4 1 1 9 2	3 0 0 0 2 3 1 1 1 1		0 0 0 1 1 1 1 1 1 1	0 0 0 1 1 1	0 0 0 1 1 2 1 1 1 1 1 1	0 0 0 1 1 2 2 1 1 1	1 0 0 1 0 2 2 2 1 3
31 MEAN	1	1	1	1	1	0	1		0 0 2 2		2	0 2	1 2	1 2	1	0 2	0	0	1	0	0	0	1	1 1.5

PERCENTAGE OF DATA VALID - 96.4 PERCENTAGE OF DATA INVALID - 2.8

PERCENTAGE OF DATA UNAVAILABLE - 0.8

NOTES 1. ****** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEJS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

POLLUTANT - SULPHUR DIOXIDE UNITS - 0.01 PARTS/MILLION MONTH - APR 77 STATION - C NO 31001 67 COLLEGE ST FIFTH FLOOR TORONTO 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 1 2 3 4 5 6 7 8 9 10 0 1 11 12 13 14 15 16 17 18 19 20 2021 3 2 1 21 22 23 24 25 26 27 28 29 30 1.7 2 2 MEAN

PERCENTAGE OF DATA VALID - 96.5

PERCENTAGE OF DATA INVALID . 2.1

PERCENTAGE OF DATA UNAVAILABLE - 1.4

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

	1.00	LLUIN		20.61 111	0,000	11.00								-											
	ST	ATION	- C	NO	31001	6	7 CO	LLEGE	ST F	IFTH	FLOOR	TOR	ONTO			MON	TH E	MAY	77						
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18.	19	20	21	22	23	24	MEAN
1 2 3 4 5 6 7 8 9	2 3 0 1 0 2 1 0 0	2 2 0 1 0 2 0 0 0 1	2 2 0 1 0 3 1 1 0	2 0 2 1 1 0 1	3 0 1 2 0 2 1 1 1 1 1	6 0 1 2 0 3 0 1 1 1	6 0 1 2 0 3 0 1 1 2	6 0 1 2 0 4 1 1 2 2	5 1 1 0 4 1 1 1 1 1 2	3 2 1 1 0 7 1 3 1	2 1 6 1 2 1 1	1 1 1 1 1	2 2 1 1 1 1 1 1 0 1 1 1	2 2 1 1 	2 2 0 2 0 1 1 1	2 1 3 0 0 1 1	2 1 3 0 0 1 1	3 1 1 3 0 1 0 2	4 1 1 0 1 1 1	2 0 0 0 1 0 1 1 1	3 0 0 0 1 1 1 0 1 2	3 1 1 2 1 1 1 1 2	4 1 1 2 1 1 0 1	1 1 1 2 1 0 0 1	3 1 1 1 1 2 1 1 1 1 1 1 1
11 12 13 14 15 16 17 18 19 20	1 2 2 1 **** 1 2 2 0 2		1 3 1 **** 1 2 1 0 2	2 2 0 1 1 2 1 0 2	2 2 1 0 1 1 2 1 0 2	2 3 2 0 1 1 2 1 0 2	3 2 0 1 1 3 1 0 2	3 4 1 1 4 2 1 2	2 4 1 0 **** 4 4 3 1 2	3 11 1 0 2 5 2	2 6 1 0 0 1 5 3 1 5	2 5 1 0 0 **** 5 4 1 3	3 1 1 0 0 2 6 8 1	2 1 1 0 0 2 4 5 2	3 1 0 0 0 1 2 2 5	4 2 0 0 0 2 1 1 2 2	3 2 0 2 0 3 3 1 1 2	4 2 0 0 0 3 3 1 1	6 2 0 0 0 4 2 1 2 2	5 2 0 0 0 7 6 0 5 1	2 0 0 0 4 4 0 1	6 2 0 0 5 4 0 1	7 2 0 0 1 2 2 0 1 1	4 2 ***** 0 1 2 2 0 2 1	2
21 22 23 24 25 26 27 28 29 30	1 3 1 2 1 0 0 1 1 1 1	1 3 1 1 1 0 0 1 1 1 1	1 2 1 1 1 0 0 1 1 1 1	1 2 1 2 1 0 0 1 1 1	1 2 3 2 1 0 0 1 1	1 3 5 2 1 0 1 1 1	2 5 5 1 2 0 1 1 1	3 4 4 3 2 1 1 1 1	6 2 3 4 1 0 1 2 1	4 2 7 5 1 0	3 2 7 3 1 0 ****	3 2 2 2 1 0 4 1 1	4 2 1 2 1 0 7 1 1	3 2 3 1 - 0 4 1 1 0	2 3 1	2 2 4 1 0 2 2 1 1 1 1	2 2 4 1 0 2 3 2 1 1	3 9 1 3 3 2 1	2 1 5 1 1 3 4 1 1	2 1 1 1 0 0 3 1 1 1 1	2 1 3 1 0 1 1 1 1 1 1	2 2 2 1 0 0 1 1 1 1 1	2 2 1 1 0 0 1 1 1 1 1	2 2 1 1 0 0 1 1 1 1 1 1	2 3 2 1
31 MEAN	1	1	1	1	1	1	2	1	1	1 2	2	1	1	3 2		1	1 2	1 2	1	1	1	1	1	1	1.5

PERCENTAGE OF DATA VALID - 96.8 PERCENTAGE OF DATA INVALID - 2.7 PERCENTAGE OF DATA UNAVAILABLE - 0.5

NOTES 1. "****" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
 - 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POLL	UTANT	- SI	JLPH	UR DIO	CIDE							3	JNITS	- 0.0	DI PAR	RTS/MI	LLIO	4						
	STAT	ION -	С	NO	31001	67	co	LLEGE	ST F	IFTH	FLOOR	TOR	ONTO			MONT	rH - J	UN	77						
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	.19	20	21	22	23	24 M	EAN
1 2 3 4 5 6 7 8	1 1 0 0 0 0 0 0 0 0	1 1 0 1 0 0 0 0 0 0	1 1 0 1 0 0 0 0 0	1 1 0 0 0 0 0 0 0	1 1 0 0 0 0 0 0 0	1 1 0 0 0 0 0 0 0	0 1 2 1 1 0 0 0 0	1 3 1 1 0 0	1 1 2 3 1 0 0	4 1 3 0 0 0 0	3 1 0 5 0 0	2 1 4 0 ****	1 2 1 0 0 0 0	1 0 0 0 0 0 0	1 1 2 0 0 0	1 1 2 0 0 0 1 0	2 1 2 1 0 0 1 0	1 0 1 3 1 0 0 3 0	1 1 0 0 1 1	1 1 2 2 1 0 0 0 0	1 0 0 0 0 0 0	1 1 0 0 0 0 0 0 0	1 0 0 0 0 0 0	1 0 0 0 0 0 0 1	1 1 0 0 0 0 0 0 0
10 11 12 13 14 15 16 17 18 19	0 0 0 1 . 1 1 0 0 0	0 0 0 1 1 0 0 0 0	0 0 0	0 0 0 0 0 0 0 0 0	0 0 0 0 1 0 0 0 0	0 0 0 0 1 0 2 0 0 0 0	1 1 1 2 0 0 0 2	1 0 1 - 2 4 1 0 0 2	1 1 1 1 3 2 0 0 4		1 4 0 0	0 0 1 2 2 1 0 0 0 3	0 1 1 1 1 3 3 + * * * * * 1 0	0 1 1 2 1 1 0 2 0 0	1 1 1 2 1 1 0 1 0 2	1 1 1 1 1 0 4 0 1	1 3 1 0 0 2 0 1	2 2 1 2 0 - 0 2 0 1	0 1 2 2 0 1 0 1 0 0	0 0 1 1 2 1 0 0 1 0 0	1 1 1 1 0 0 0 0 0 0	1 0 1 1 1 0 0 0 0	0 0 1 1 1 1 1 0 0 0 0	1 0 0 1 1 1 2 1 0 0 0	1 0 1 1 1 0 1
21 22 23 24 25 26 27 28 29 30	0 0 2 1 3 0 1 0 0 0	0 0 1 1 2 0 2 0 0 0	0 0 1 1 0 0 0 0	0 0 1 1 1 0 2 0 0 0 0	0 0 1 1 0 0 0	0 0 2 1 0 0 3 1 0 0	1 0 3 1 0 0 4 2 0 0		1 0 2 2 2 1 1 3 2 0	2 2 3 1	0 2 2 3 2 2	0 0 1 2 1 2 0 1 0 3	0 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 0 0 0 1 0 1 1 0	1 0 2 0 1 3 1 0	0 0 1 1 2 1 2 0 3	0 0 0 2 2 2 0 1 0 2	0 0 2 1 1 0 0 3	0 1 0 4 1 3 0 1 0 2	0 0 0 0 0 0 1	0 0 0 0 0 0 0 1	0 1 1 3 0 0 0	0 0 1 3 0 0 0 1	0 0 1 3 0 1 0 0 0 1	0 0 1 2 1 1 1 1 0 1
MEAN	0	0	0	0	0	0	1	1	1	1	1	1	1	- 1	1	1	1	1	1	- 1	0	1	1	1	0.7

PERCENTAGE OF DATA VALID - 95.3 PERCENTAGE OF DATA INVALID - 2.1 PERCENTAGE OF DATA UNAVAILABLE - 1.7

- 2. "-" INDICATES DATA IS UNAVAILABLE
 - 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNITS - O.DI PARTS/MILLION

																	S.F. (-1813)	-							
	STA	TION -	С	NO	31001	61	cor	LEGE	ST F	IFTH	FLOOR	TOR	OTAC			MONT	rH - J	IUL	77						
HOUR DAY	1	2		4	5	6	7	8	9	10	1.1	12	13	14	15	16	17	18	19	20	21	22	23	24 M	EAN
1 2 3 4 5 6 7 8 9	1 0 1 2 2 2 1 1 2 1 •	1 0 1 1 2 1 1 1 1 1	0 1 2 1 1 1 1 1 1 1	1 0 1 1 1 1 1	1 2 2 1 1 1 1 1	1 0 1 2 1 1 0 1 1 1	1 0 1 2 2 1 0 1 1	1 0 2 3 4 1 *	1 0 3 3 3 	202221011	3 1 2 3 1 1	2 1 1 2 3 1 1 1 1 1 1	2 0 1 2 3 1 1 1 1 1 1 1	1 0 1 2 2 1 1 1 1 1 1 1	1 0 2 2 2 1 1 1 1 1	1 0 3 2 1 1 1 1 1 1 1	1 0 1 1 1 1 1 1 1 1	1 1 2 1 1 1 2 1	0 1 2 2 1 1 1 1 1 1 1	0 1 1 2 1 1 1 1 1 1	0 1 2 1 1 1 1	0 1 2 1 1 1 1 1 1 1	0 1 1 2 1 1 1 2 1	0 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 0 1 2 2 1 1 1
11 12 13 14 15 16 17 18 19	1 0 1 0 0 0 0 0 0 0 0	1 0 1 0 0 0 0 0 0 0	1 0 1 0 0 0 0 0 0	1 0 1 0 0 0 0 0 0 0	1 0 1 0 0 0 0 0 0	0 0 1 0 0 0 0 0 0 0 0	0 0 1 0 4 1 1 1 D	0 0 1 1 4 1 1 0 1	0 1 1 3 1 0 1 0 1	0 2 0 1 3 1 1 1 1	0 3 0 1 2 1 1 2 1 1	0 1	1 2 0 0 2 1 1 1 0	1 1 0 0 0 0 0 0 0 0	1 1 0 0 2 1 0 0 0	1 1 0 1 0 0 0 0 0 0 0 0	0 3 0 0 1 0 0 0 0 0	01000000	0 2 2 0 1 0 0 0 0 0 0 0 0	0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 1 0 0 0 0 0 0 0	0 1 0 0 0 0 0 0 0 0	010000000	0 0 0 0 0 0 0 0 0	0 1 0 0 0 0 0 0 0
21 22 23 24 25 26 27 28 29	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 1 0 0 0	0 0 0 1 1 0 0 2 2 0	0 0 1 2 1 0 1 2 1 0	0 0 1 2 1 0 1 2 1 0	0 0 1 1 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0 0 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 1 1 0 1 0	0 0 1 0 1 0	0 0 0 0 1 0 0 0	0 1 0 0 1 0 0 0	0 2 0 1 0 0 0 0	010000000	0 0 0 0 0 0 0	0 0 0 0 0 0	0 1 0 1 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	00000.0000	00000000	0 0 0 0 0 0 0
31 MEAN	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 0.6

PERCENTAGE OF DATA VALID - 96.9

PERCENTAGE OF DATA INVALID - 1.7

PERCENTAGE OF DATA UNAVAILABLE - 1.3

- NOTES 1. ****** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE
 - 2. "-" INDICATES DATA IS UNAVAILABLE
 - 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

POLLUTANT - SULPHUR DIOXIDE UNITS - 0.01 PARTS/MILLION 67 COLLEGE ST FIFTH FLOOR TORONTO STATION - C NO 31001 MONTH - AUG 77 HOUR DAY 9 10 11 12 13 15 16 17 20 21 22 0 1 0 1 2 3 4 5 6 7 8 9 0001 1 0 0 000 11 12 13 14 15 16 17 18 19 20 0000000000 0010000000 0000000000 0010000010 5 9 ò 21 22 23 24 25 26 27 28 29 30 0 0 0 0 0 1 0000 00000 0000 0000 2 0 0 1 0 000012331 0001 000 0 0 0 0 0 0 0 0 1 00001 0 1 0 1 31 MEAN 0 0 0 0.6

PERCENTAGE OF DATA VALID - 97.8

PERCENTAGE OF DATA INVALID - 2.0

PERCENTAGE OF DATA UNAVAILABLE - 0.1

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. "***** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNITS - 0.01 PARTS/MILLION

	STAT	ION -	C	NO 3	1001	67	COL	LEGE	ST F	IFTH	FLOOR	TOR	OTAC			MON	rH - s	EP	77						
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 ME	AN
1 2 3 4 5 6 7 8 9	200000000	2 0 0 0 0 0 1 0 0 0	1 0 0 0 1 0 0 0	1 0 0 0 1 0 0 0 0 0	1 0 0 0 0 0 0 0 0 0	1000000000	100000000	5 0 0 1 0 0 0 1	5 0 0 1 1 1 1 1 1 0 0 0	4 0 0 1 1 0 ****	4 0 0 0 0 0 0 1 1 0	4 0 0 0 0 0 0 0 1 0	0 0 0 0 0 1 1 0	3 0 0 0 0 0 0 1 1 0	2 1 0 0 0 0 0 1 1 0 0	000000000000000000000000000000000000000	000000000000000000000000000000000000000	00000000	0000000000	000000	000000000	0 1 0 0 0 0 0 0 0	000000000	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0
11 12 13 14 15 16 17 18 19 20	0 0 1 0 0 0	000000000	0 0 0 0 0 0 0 0	000000000	000000000	00000000	0 0 0 0 0 0 3	ò	0	0 0 1 0 2 0 0 0	0 3 0 0 1 2 0 0	0 3 0 0 1 0 0 0 0	0 1 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0100000000	0 0 0 0 0 0 0	0 0 0 0 0 0	0 - 0 - 0 0 0	0 1 0 0 0 0 0	0 0 0 0 0 0	0 1 0 0 0 0 0 0	0 0 0 0 0 1 0 0 0 0	0.0000000	0.0000000	000000000	0 1 0 0 0 0 0 0 0 0
21 22 23 24 25 26 27 28 29 30	00000000	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	00000000	000000000	000000000	000000000	0 0 0 0 0 0 0 1	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 	000000000000000000000000000000000000000	0 0 0 0 1 0 0 1 2	0 0 0 0 1 0 0 2 2	000000000	000000000	000000001	000000000	00000000	0000000000	00000	000000000	000000000	000000000	0 0 0 0 0 0 0 0	0000000000
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2

PERCENTAGE OF DATA VALID - 96.3

PERCENTAGE OF DATA INVALID - 2.8

PERCENTAGE OF DATA UNAVAILABLE - 1.0

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. *- INDICATES DATA IS UNAVAILABLE
- 3. "***** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

POLLUTANT - SULPHUR DIOXIDE UNITS - 0.01 PARTS/MILLION STATION - C NO 31001 67 COLLEGE ST FIFTH FLOOR TORONTO MONTH - OCT 77 HOUR 6 10 11 12 13 14 15 16 17 18 .19 20 21 22 23 24 MEAN DAY 00000000 0 0 0 0 0 0 0 0 1 **** 0 0 0 0 0 0 0 0 0 0 0 0 0000000000 0 0000000000 0000 00001 0000000000 0000000000 0000000000 0000000000 0000000000 0000000000 00000 0 00000 00000 9 000 0 0 2 0 0 0 0 2 0 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 0 0 12 31 2 MEAN 2 1 1.0

PERCENTAGE OF DATA VALID - 97.0

PERCENTAGE OF DATA INVALID - 2.8

PERCENTAGE OF DATA UNAVAILABLE - 0.1

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

	STA	TION	- с	NO	31001	6	7 CO	LLEGE	ST F	IFTH	FLOOR	то	RONTO			MON	TH -	NOV	77						
HOUR	1	2		4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 M	AN
1 2 3 4 5	1 1 4 0	1 1 5 0	1 1 4 0	1 1 5 0	1 1 5 0	1 1 3 0	1 1 3 0	1 1 5 0	2 3 5 0	3 3 3 	2 3 4 1 2 1	3 **** 1 2 2	2 2 1 2 0	2 3 1 1 2	2 2 0 0 2	1 2 4 0 2	2 3 0 2	1 2 4 0 2	1 2 4 0 1	1 4 0 1	2 4 0 1	2 5 0 1	2 2 5 0 1	2 1 4 0 1	2 2 3 2 1
7 8 9 10	0 *	2 0 0	0	2	0	0 0	1 2 0 0	0 0	1 2 0	3		4 0	0	0	0 0	0	•••• 0 0	0		000	0	0	0	0 0 0	0
11 12 13 14 15 16 17 18 19	0 0 1 3 1 2 0 0 0	0 0 0 1 2 1 2 0 0 0	0 0 0 2 2 1 2 0 0 0	0 0 0 2 4 1 2 0 0 0	0 0 0 2 4 1 2 0 0 0	0002312000	0 0 0 2 4 1 2 0 0 0	1 3 1 2 0 0 0	0 0 1 3 7 2 2 0 0	0 1 3 6 2 2 0 0	1 0 1 4 4 1 2 0 0	1 6	1 1 3 2 1 2 0 0	0 0 4 2 1 1 0 0 0	0 0 4 3 1 2 0 0 0	0 0 1 3 2 2 1 0 0 0	0 1 3 1 2 0 0	0 0 1 2 2 0 0 0	3 3 2 0 0 0 0	0 1 3 2 2 0 0	0 0 1 4 1 1 0 0 0 0	0 0 1 4 1 2 0 0 0 0	0 0 1 4 1 2 0 0 0 0	0 1 4 1 2 0 0	0 0 1 3 3 1 1 0 0
21 22 23 24 25 26 27 28 29 30	0 1 2 1 0 1 0 1 2 3	0 1 2 1 0 1 0 1 2 -	0 1 2 1 1 0 0 1 2 5	0 1 2 1 0 1 0 2 2 5	0 1 2 1 0 1 0 5 2 3	0 1 2 1 1 0 0 2 2 2 2	0 1 2 1 2 0 0 3 3	1 1 0 0 3 - 4	0 1 2 1 1 0 1 3	0 1 2 1 1 0 1 1	0 0 2 1 1 1 0	1 5 0 1 1 1	0 1 0 2 0 2 2 2 3	0 1 1 1 0 2 2 5	0 1 2 1 1 0 1 2 5 2	1 2 0 1 1 1 2 6 3	0 2 2 0 2 0 1 2 3 3	0 2 2 0 1 1 1 2 3	0 2 1 0 0 1 2 2 2 3	0 2 1 0 0 0 1 2 3 2	0 2 1 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 2 2 0 0 0 1 2 3 2	1 3 2 0 1 0 1 2 3 2	1 3 2 0 1 0 0 2 3 2	0 1 2 1 1 0 1 2 3 3
MEAN	1	1	1	1	1.	31	1	1	1	1	1	2	1	Ĭ	1	1	1	Ĭ	ï	1	1	1	Ĭ	1	1.1

PERCENTAGE OF DATA VALID - 94.9 PERCENTAGE OF DATA INVALID - 3.6

PERCENTAGE OF DATA UNAVAILABLE - 1.5

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. *- INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POLI	LUTANT	- S	ULPHI	JR DIO	CIDE							UNITS	- 0.	O1 PAR	RTS/M	ILLIO	N						
	STA	TION -	С	NO :	31001	67	COLLEG	E ST	FIFTH	FLOOR	TOR	RONTO			MON	гн -	DEC	77						
HOUR DAY	1	2	3	4	5	6	7 8	1	9 10	11	12	13	14	15	16	17	18	. 19	20	21	22	23	24 M	EAN
1 2 3 4 5 6 7 8 9	2 5 1 3 1 2 2 1	1 1 1 2 1 1 3 3 1	1 1 0 3 2 1 1 3 2	1 0 3 2 1 0 3 3 1	1 2 0 1 2 1 0 4 2 2	1 1 0 1 2 1 0 5 5	1 1 1 1 1 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1		1 2 1 **** 1 0 2 1 1 1 1 2 1 1 6 3 3 ****	5 0 1 1 1 3 2	2 1 0 0 **** 1 1 1 1 2	4 2 0 0 0 0 1 1 2 1	4 0 0 0 0 0 2 2 0	2 2 0 0 0 0 0 2 2 1	6 1 0 1 0 0 2 1	15 6 0 0 1 0 1 2 2	9 8 1 1 0 1 3 2 2	3 5 1 1 3 1 1 2 3 3	1 0 0 1 1 1 1 2 2 2	0 0 1 2 1 1 1 2 0 2	2 0 1 4 1 1 3 0 2	1 0 1 3 1 1 1 3 1 2	3 0 1 4 1 1 1 3 1 2	3 2 0 1 1 1 1 3 2
11 12 13 14 15 16 17 18 19	2 6 2 3 2 3 1 3 3 0	2 7 3 6 2 4 1 3 ***	2 6 2 6 2 5 0 3 0	2 5 2 4 2 3 0 3 3	3 5 2 3 2 2 0 3 3	6 6 2 3 1 2 0 3 3 0	4 4 4 6 5 5 5 5 6 3 3 5 6 0 3 3 3 3 0 0		5 3 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	1 5 **** 6 5 7 1 2	1 5 2 6 5 ****	2 6 2 6 5 ••••	2 5 3 5 5 1 3 0	1 5 3 4 4 3 1 3 0	1 3 3 4 3 1 1 1 0 0	1 5 3 4 1 0 1 1 0 0	2 5 2 3 2 	4 3 2 3 1 *****	3 3 2 3 1 ***** 1 1 0 2	4 3 2 2 1	5 4 2 2 3 3 2 1 0	6 3 2 2 2 2 2 2 1 0 0	9 3 2 2 3 1 2 2 0 0	3 5 3 4 3 3 1 2
21 22 23 24 25 26 27 28 29 30	0 1 3 2 1 1 1 1 2 2	3 1 6 2 1 1 1 1 2 3	2 1 2 2 1 1 1 1 2 3	1 0 3 2 1 1 1 1 2 3	1 2 5 0 1 1 1 2 3	2 2 5 3 0 1 1 1 1 2	1 0 1 1 4 4 3 3 0 0 1 1 1 1 2 2 1 2 2 3		0 0 1 2 4 3 2 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	3 0 1	0 1 2 3 1 1 1 6 1 4	0 2 2 3 1 1 0 3 1 4	0 1 3 4 1 1 0 5	0 1 2 3 0 1 0 4 3 2	0 3 3 0 1 0 1 3 2	0 5 5 2 1 1 0 5 2 2	0 2 3 2 1 1 0 6 2 2	0 4 1 1 1 2 1 4 2 3	1 3 1 2 1 2 1 4 2 2	1 3 1 2 1 2 2 2 2	1 1 2 1 1 2 2 2 2	0 1 1 2 1 1 1 2 2 3	0 2 1 1 1 1 1 3 2 3	1 2 3 2 1 1 1 3 2 3
31 MEAN	2	2	3	3 2	3 2	4 2	3 3		3 4 2 2		3 2	3 2	2	2	1	2	2	2	1 2	1	2	2	2	1.9

PERCENTAGE OF DATA VALID - 96.6 PERCENTAGE OF DATA INVALID - 2.8

PERCENTAGE OF DATA UNAVAILABLE - 0.5

- 2. *- INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1977

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - C NO 31001 67 COLLEGE ST FIFTH FLOOR TORONTO

MONTH	NO OF DAYS	AVERAGE	CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	3.	0	8	20
FEE	28	2.	3	7	17
MAF	31	1,	5	4	9
API	30	1.	7	4	1.7
MA	31	1.	5	3	11
JUI	30	0.	7	2	5
JUI	. 31	0.	6	2	4
AUG	31	0.	6	2	9
SEF	30	0.	2	2	5
oc1	31	1.	0	4	12
NOV	30	1.	1	3	7
DEC	31	1.	9	5	15
YEAR	365	t.	4	8	20

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

MONTHLY GR	OUP FREQU	ENCY DISTR	IBUTION FOR	1977			
POLLUTANT -	SULPHUR	DIOXIDE				UNITS - 0	0.01 PARTS/MILLION
STATION -	C NO 31	001 67	COLLEGE ST	FIFTH FLO	OOR TORONT	го	
MONTH	00 TO 04	05 TO 10	11 TO 14	15 TO 25	26 TO 39	40 SOVER	TOTAL
JAN	590	119	13	6	0	0	728
FEB	565	66	6	3	0	0	640
MAR	675	42	0	0	0	0	717
APR	643	51	0	. 1	0	0	695
MAY	685	34	1	0	0	0	720
JUN	692	1	0	0	0	0	693
JUL	721	0	0	0	0	0	721
AUG	726	2	0	0	0	0	728
SEP	691	2	0	0	0	0	693
OCT	709	12	1	0	0	0	722
NOV	666	17	0	0	0	0	683
DEC	657	61	0	1	0	0	719
YEAR	8020	407	21	11	0	0	8459

FREQUENCY	DISTRIBUTE	ON BY	PERCENTILES									
	PERCENT OF DATA						TRATIONS					
	VALID	MIN	10		FREQUENCY							ARITH
	VALID	win	10	30	50	70	90	95	98	99	MAX	MEAN
	96.6	0	0.0	0.0	0.5	1 1	2 0	4.1	E 7	7 4	20	

ONTATIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIC-IDE

UNITS - 0.01 PARTS/MILLION

15															S. C. S. S. J. C. S.			de les estados								
DAY 1		STA	TION -	С	NO 3	1105	н	YDRO	SS SH	ERBOL	JRNE/V	VILTO	N ST.T	ORON	то		MONT	гн	AUG	77						
- DATA UNAVAILABLE		1	2		4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	. 19	20	21	22	23	24	MEAN
12	2 3 4 5 6 7 8 9												- DAT	A UN A UN A UN A UN A UN A UN A UN	AVAIL AVAIL AVAIL AVAIL AVAIL AVAIL	ABLE ABLE ABLE ABLE ABLE ABLE ABLE ABLE										
22	12 13 14 15 16 17 18	1 1 0 0 0	0 0 1 0 0	0 0 1 0 0	0 0 2 0 0 6	0 0 1 1 0 1	0 4 1 0 0	0 0 2 1 0 2	0 0 1 1 1	0 1 1 0 5	0 0 2 0 5	0 0 2	0 0 2	1 0 1	0 0 2	0 0 2 0 0 2	0 1 0 0 0	1 0 0 1 0	1 0 0 1 0 0	0 0 0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0	1 0 1 0 0 0	1 0 0 0	1 0 0 1 0 0 2
MEAN 1 0 0 1 0 1 1 1 1 1 1 1 1 1 0 0 1 0 0 0 0 1 0.6	22 23 24 25 26 27 28 29 30	0 0 0 2 1 1 0 0	0 0 0 1 1 0 0	0 0 0 1 1 0 0 0	0 1 0 0 1 1 1 0 0	0 2 0 0 1 1 0 0 0	1 0 0 0 1 1 0 0 0	1 0 0 0 2 1 0 0 0	0 0 1 1 1 1 0 1	0 0 1 1 1 0 1	0 0 1 1 1 1 1 0	000	0 0 1 1 1 1 1 1 0	0 0 0 0 2 1 1 1 0	0 0 0 2 1 1 1 0	000000000000000000000000000000000000000	0 0 0 1 1 1 0 1	0 0 0 1 1 0 1	000000000000000000000000000000000000000	0 0 0 1 1 1 0 1	0 0 0 1 1 1 0 0	0 0 0 1 1 0 0	0 0 0 1 1 0 0	0 0 0 1 1 0 0 0	0 0 0 3 1 1 0 0 0	1 0 0 0 1 1 1 0 0 1
	MEAN	1	0	0	1	0	1	1	1	1	1	1	1	1		1	0	0	1	0	0	0	0	0	1	0.6

PERCENTAGE OF DATA VALID - 62.0 PERCENTAGE OF DATA INVALID - 0.7 PERCENTAGE OF DATA UNAVAILABLE - 37.4

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POL	LUTANT	. s	ULPHL	R DIO	XIDE								UNIIS	- 0.0	1 PAF	RTS/MI	LLIO	N						
	STA	TION -	C	NO 3	1105	н	YDRO	SS S	HERBOL	RNE/	ILTO	N ST.	TORON	то		MONT	rH - 5	EP	77						
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 M	EAN
1 2 3 4 5 6 7 8	1 0 1 1 0 2 0 0 0	1 1 1 1 0 2 0 0 0	1 1 0 1 2 0 2 0 0 0	1 0 0 1 1 0 2 0 0 1	1 0 0 1 0 0 0 0	1 0 0 1 0 0 0	1 0 1 0 2 4 0 0 0	0 2 0 2 3 0 0 0	2 1 0 1 0 2 1 0 0 0	1 1 0 1 0 2 1 0 0 0	1 3 0 1 0 2 2 0 0 0	1 1 0 1 0 2 	1 1 0 0 0 2 1 0 0 0	1 0 1 0 3 1 0 0	1 2 1 0 0 2 0 0 0 0	1 1 0 0 0 0 0 0 0 0	1 1 0 0 0 0 0 0 0	1 0 0 0 0 0 0 0 0	1 0 0 0 0 0 0	1 0 0 0 0 0 0 0	0 0 0 0 0 0	1 0 0 0 1 0 0 0 0	1 0 0 0 1 0 0 0	1 0 0 0 0 2 0 0 0 0	1 1 0 0 1 1 0 0 0 0
11 12 13 14 15 16 17 18 19 20	0 0 0 0 0 1 0 1 0 0	000000000000000000000000000000000000000	000000000000000000000000000000000000000	000000000	0 0 0 0 0 0 0 0 0 0	0000010000	0 0 0 0 0 0 0 0	000000000	0000000000	0000000000	00000	000000000000000000000000000000000000000		00000	0 1 0 0 1 1 0 0	000000000000000000000000000000000000000	00000	0000010000	0000010000	00000	0 0 0 0 0 0 0 0	0000010000	00000-0000	000000000000000000000000000000000000000	0 0 0 0 1 0 0 0
21 22 23 24 25 26 27 28 29 30	0 0 0 0 0 0 0 2 1	0 0 0 0 0 0 2 1 0 3	0 0 0 0 0 0 1 1 0 3	0 0 0 0 0 1 0 0 3	0 0 0 0 0 1 0 0 4	0 0 0 0 0 1 0 0 2	000000000000000000000000000000000000000	0 0 0 0 1 1 1 3	0 0 0 0 0 1 1 1 3	0 0 0 0 1 0 1 3	0 0 0 0 0 0	000000000000000000000000000000000000000	0 0 0 0 1 1 1	0 0 0 0 0 1 1 1 1 1 1	0 0 0 0 0 1 1 1 1 1	0 0 0 0 1 1 1 1	0 0 0 0 1 0 1 1	0 0 0 0 1 1	0 0 0 0 2 1 0 1 0	0 0 0 0 1 1 0 0 1 0	0 0 0 0 1 1 0 1 0	0 0 0 0 1 1 0 1 0	0 0 0 0 1 1 0 1 0	0 0 0 0 0 2 1 0 2 0	0 0 0 0 0 1 1 0 1 2
MEAN	0	0	0	0	0	0	0	0	0	0	1	0	0	ij	0	0	0	0	0	0	0	0	0	0	0.4

PERCENTAGE OF DATA VALID - 98.5 PERCENTAGE OF DATA INVALID - 1.5

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. .. INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNITS - 0.01 PARTS/MILLION

	POLI	UTAN	. 5	OLPHU	R DIO	KIDE								3141.13	0.0		10/11		*						
	STAT	ION .	- c	NO 3	1105	H	YDRO	SS SH	ERBO	URNE/	WILTO	N ST.	TORON'	то		MON	TH - (OCT	77						
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 ME	AN
1 2 3 4 5 6 7 8 9	0 0 1 1 2 1 0 2 1 1	0 0 1 0 2 1 0 2 1	0 0 0 0 2 0 1 1 1	0 0 1 0 0 1 1 1 1	0 0 1 0 1 0 0 0 1	0 0 1 0 2 1 1 1 1 1 1 1	0 0 1 1 2 1 1 1 1 1 1 1	0 0 1 1 3 1 1 1 1 1 1 1	0 0 1 2 4 1 1 1 1 1 1	0 0 0 1 5 0 0 1 1 1	0 0 0 1 1 1 1	0 0 2 0 0 1 1 1 1	0 0 0 0 2 0 1 1 1 0	0 0 0 1 0 1 1 0	0 0 0 1 0 0 1 1 0	0 0 0 1 0 0 1 1 0 0	0 0 0 3 0 0 1 1 0	0 0 0 3 0 0 1 1 0	0 0 0 1 4 0 0 1 1 0	0 0 1 3 0 0 1 1 0	0 0 1 1 0 0 1 1 1 1	0 0 1 1 2 0 1 1 1 1 1	0 0 0 2 2 0 1 1 1 3	0 1 0 2 1 0 2 1 1 2	0 0 1 2 0 0 1 1
11 12 13 14 15 16 17 18 19 20	1 1 1 4 1 0 1 1 1 1 1	1 1 1 3 1 0 1 2	0 1 1 2 2 0 0 3 2	0 1 1 3 2 1 0 2 2	0 1 2 3 2 1 0 2 2 1	1 1 2 3 2 1 0 2 3 1	1 2 3 4 3 1 0 2 4 2	3 3 3 1 0 1 4 2	2 1 2 3 3 1 1 1 3	1 1 3 3 1 1 1 2	1 1 2 1 1 1 1 2 1	1 1 **** 1 1 0 **** 2 2	1 1 2 0 1 1 1 1	1 1 1 1 0 1 1 2	1 1 0 1 0 1 2 2 2	1 1 0 2 0 1 1 2 2	1 1 0 1 0 1 1 2 2	0 1 2 0 1 0 1 1 1 1 1	0 1 3 1 2 0 1 2 1 2	0 1 1 2 0 1 2 1	3 1 0 3 2 0 1 2 1	1 1 3 2 0 2 2 1 1	1 1 3 2 0 3 2 1 1	1 1 4 2 0 2 2 1 1	1 1 2 2 0 1 2 2 1
21 22 23 24 25 26 27 28 29 30	1 1 0 1 3 2 1 0 1 2	1 1 3 1 1 0 1 1 1	1 1 1 3 2 1 0	2 1 1 2 3 1 1 0 1 1	2 2 1 2 4 2 2 0 1 1	2 2 1 3 5 3 2 0 1 1	3 2 0 3 6 4 3 1 1 1	3 1 0 4 7 3 4 1 1	2 1 0 4 6 2 3	2 2 0 2 3 2 2 2	1 1 0 1 2 2 1 1 1 1 1	1 1 0 1 1 2 1 1 1 0	1 0 0 1 2 2 1 1 1 0 0	1 0 0 1 2 2 ****	1 1 0 2 2 3 3	1 1 0 5 2 2 3 1 0 1	1 0 0 3 2 2 2 1 1 1	1 0 0 3 2 2 1 1 1 1	1 0 2 3 2 1 1 1 1	2 1 0 2 3 2 3 2 1 1	2 1 0 2 3 1 2 1 1 2	1 1 3 2 1 3 1 2 2	1 1 3 2 1 1 1 2 1	1 1 3 2 1 0 1 2 1	1 1 0 2 3 2 2 1 1 1
31 MEAN	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1.2

PERCENTAGE OF DATA VALID - 98.3 PERCENTAGE OF DATA INVALID - 1.7 PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. "***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3, ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

POLLUTANT - SULPHUR DIOXIDE UNITS - 0.01 PARTS/MILLION STATION - C NO 31105 HYDRO SS SHERBOURNE/WILTON ST. TORONTO MONTH - NOV 77 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 MEAN 10 11 12 13 14 15 16 17 18 o 20 21 22 23 24 25 0 2 3 3 1 26 27 MEAN

PERCENTAGE OF DATA VALID - 98.3

PERCENTAGE OF DATA INVALID - 1.7

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - SULPHUR DIG LIDE UNITS - 0.01 PARTS/MILLION

															0.1	UI PA	513/m	1 1 1 1 1 1	Ν.						
	STA	TION	· c	NO :	31105	1	HYDRO	SS SI	HERBOU	JRNE/I	MILT	ON ST	TORON.	TO		MON	тн - (DEC	77						
HOUR DAY	1	2		4	5	6	7	8	9	10	1.1	12	13	14	15	16	17	18	19	20	21	22	23	24 M	EAN
1	1	1	1	1	1	1	1	1	1	2	1	2	2	••••	4	3		2	2	-					-
2	1	1	1	2	1	1	3	4	6	4	4	6	6	5	7	6	- 4	-	2	-	2	4			2
3	2	2	1	1	1	0	1	1	1	1	1	1	0	ō		ĭ	- 1	- 1	- 2		·			- 1	3
4	2	3	2	2	3	3	3	2	1	1	1	0	ō	i	- 4	- 1	ò	- 1	- 1			!		2	1
5	2	2	1	2	1	2	1	1	1	1	1		****	i	- 4	÷	2	2		1	- 1	1	3	3	2
6	1	1	1	1	1	1	1	2	•	- 4	1	1	1	- 1			2	2	2	2	2	2	2	1	2
7	2	2	2	1	1	1	1	2	2	2	,	,		4	- 1		2		2	2	2	2	1	2	1
8	2	3	4	4	4	5	5	6	ē	5	- 3	- 7		4				2	2	2	3	3	2	2	2
9	2	2	2	1	1	5	4	3	3	4	Ĕ	****		- 2	2	3	3	2	2	1	2	2	2	2	3
10	1	1	1	2	1	2	3	3	2	2	3	2	2	•	-	2	2	2	3	2	1	1	1	1	3
				-		-	-	•	-	-	•	-	-	'	:1	2	2	3	3	3	2	2	2	2	2
11	2	2	4	5	5	5	4	4	4	3	2	2	2	2	1		2	3	3	•	-		-	-	
12	7	6	4	5	6	4	4	2	4	3	5			3	2	ż	3	3	3	3	5	6	7	7	4
13	7	4	2	1	2	2	2	2	2	2	3	2	2	3	3	3	3	2	3	2	2	3	2	3	4
14	2	3	2	2	1	2	4	5	4	4	4	5		****	3	3	3	3	1	1	1	1	1	2	2
15	2	2	2	1	2	2	2	2	2	4	5	5	5	5	3	3	2	2	3	2	3	2	3	2	3
16	2	6	6	3	2	4	4	7 4	***	8	5	3	2	3	7	7	3		1	2	3	3	3	3	3
17	2	2	2	1	1	1	1	- 1	•	ĭ	ñ	Ö	7	ő	ő	ö	Ö	3	3	3	3	3	3	3	4
18	1	1	1	1	1	1	1	- 1	92	4	ĭ	,	- 4	Ÿ	·	Ö	1	o o	0	0	0	0	0	0	,
19	1	1	1	1	1	1	i	- 1	i		- 1	- 1	- 4	- 1	11	·	- 1	1	- 1	1	1	•	1	1	1
20	1	1	2	1	1	1	1	i	2	2	i	î	Ý	i	1	- 1	,	3	3	3	!	- !	- 1	1	1
21			V2		-	_	_											-	•	3				•	
22	- 1	2	2	2	2	2	2	2	2	2	2	2	1	2	2	1	1	1	2	2	2	1	2	2	2
22	2	3	7	7	6	3	2	2	2	5	2		3	3	2	2	3	2	2	4	2	í	1	2	3
23	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	4	5	1	1	2	- 1	- 7	2
24 25	- 2	3	2	2	2	2	3	3	2	2	2	3	3	3	3	2	3	2	1	1	2	5	î	- 4	-
26	- 3	1	1	1		- 1		1	1	1	1	1	1	1	1	1	1	1	1	1	- 7	- 1	- 1	- 4	7
20	. !	- 1	1	1	•	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	- i	- 1	- î		- 1
27	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	i	2	2	- 1
28	2	2	2	2	2	1	2		***	3	2	3	4	1	4	4	3	4	6	4	5	À	5	3	
29	2	2	2	1	2	2	2	2	2	1	1	2	1	3	2	2	2	3	2	2	2	2	2	2	2
30	2	3	3	3	3	2	2	3	2	3	4	3	4	4	3	3	3	3	3	2	2	2	3	5	3
31	4	4	3	3	3	3	2	3	3	3	2	2	2	1	1	1	2	1	1	2	2	1	2	2	2
MEAN	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2.1

PERCENTAGE OF DATA VALID - 98.4 PERCENTAGE OF DATA INVALID - 1.6

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. .- INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1977

POLLUTANT - SULPHUR DIOXIDE UNITS - 0.01 PARTS/MILLION

STATION -	C	NO 31105	HYDRO SS	SHERBOURNE/WILTON	ST.	TORONTO
-----------	---	----------	----------	-------------------	-----	---------

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN		DATA UNAVAIL	ABLE	
FEB		DATA UNAVAIL	ABLE	
MAR		DATA UNAVAIL	ABLE	
APR		DATA UNAVAIL	ABLE	
MAY		DATA UNAVAIL	ABLE	
JUN		DATA UNAVAIL	ABLE	
JUL		DATA UNAVAIL	ABLE	
AUG	19	0.6	2	11
SEP	30	0.4	2	4
OCT	31	1.2	3	7
NOV	30	1.4	3	7
DEC	31	2.1	4	8
YEAR	141	1.2	4	11

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1977

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

3341

STATION - C NO 31105 HYDRO SS SHERBOURNE/WILTON ST. TORONTO

MONTH 00 TO 04 05 TO 10 11 TO 14 15 TO 25 26 TO 39 40 SOVER TOTAL DATA UNAVAILABLE FEB DATA UNAVAILABLE MAR DATA UNAVAILABLE APR DATA UNAVAILABLE MAY DATA UNAVAILABLE JUN DATA UNAVAILABLE DATA UNAVAILABLE JUL 4 1. AUG 456 0 0 0 461 SEP 709 0 0 0 0 0 0 731 0 NOV 693 15 0 0 708 0 DEC 48 0 0 732

1

FREQUENCY DISTRIBUTION BY PERCENTILES

73

3267

YEAR

PERCENT				1	CONCEN'	TRATIONS					
OF DATA				FREQUENCY	DISTR	IBUTION.	PERCENT				ARITH
VALID	MIN	10	30	50	70	90	95	98	99	MAX	MEAN
91.0	0	0.0	0.0	0.4	1.0	2,3	3.0	4.2	5.0	11	1.2

UNITS - 0.01 PARTS/MILLION

	STA	TION	- ¢	NO 3	3002	P	HARMA	CY AN	D 401	, SÇA	RBOR	OUGH				MONT	гн	JΔN	77						
HOUR DAY	1	2	£	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	. 19	20	21	22	23	24 M	EAN
1 2 3 4 5 6 7 8 9	0 1 1 3 1 2 1 0 0	0 0 1 3 1 1 1 1 0	1 2 6 1 4 2 2 0	0 1 1 8 1 2 2 2	0 1 3 1 2 1 2	0 1 2 2 1 2 1 2 1	0 0 1 1 1 2 1 3	2 1 2 1 2 1 4	1 1 1 1 2 2 3	1 1 1 2 1 1 3	1 1 2 1 2 1 0 2 0	1 1 2 1 1 1 0	1 1 5 1 1 0 1 1	2 1 12 1 2 2 1 2	1 1 12 1 1 2 0 1 2	1 1 3 1 1 1 1 1 2	1 1 2 1 1 3 0 1 1	1 1 2 1 1 3 0 2	1 1 2 1 1 3 0	1 2 2 1 1 2 1 0 1	1 1 2 1 1 2 1 1	1 1 2 1 1 3 0	1 1 2 1 1 1 0 0	1 1 2 1 2 1 0 0 0	1 3 2 1 2 1 2
10 11 12 13 14 15 16 17 18 19 20	0 1 0 1 4 0 3 1 1 1	0 1 1 2 4 0 3 1 1 1	1 0 2 2 3 5 1 4 1 1 2	0 2 1 3 3 0 3 1	0 0 2 1 2 2 0 2 1 1 1 1	0 2 1 2 2 1 1 1 1 1 1	0 1 1 2 2 1 1 1 0	0 3 2 3 3 1 1 1	1 0 2 2 3 3 1 1 1 1	0 2 3 3 1 0 1 1 1	0 1 2 2 3 3 0 0 1 1 1	0 2 1 3 3 0 0 1 1 1	0 1 1 3 0 1 0 2 0	1 0 2 3 5 3 1 1 1 3 3 4 4 4 4 4	0	5 1 1 0 0 1 1 0 0	0 1 3 5 1 1 0 0 0	0 1 3 6 1 0 0 0 0	0 1 3 5 1 0 1	0 1 2 2 6 1 1 2 1 1 1	0 1 1 5 1 1 2 1	0 **** 1 1 5 1 1 2 1 1 1	0 1 1 4 0 3 1 1 1 1	0 1 1 4 0 4 1 1 1 1 1	0 2 2 4 2 1 1 1 1 1 1 1
21 22 23 24 25 26 27 28 29 30	1 5 3 0 1 2 0 1	2 0 2 8 2 0 0 2 1 1	2 1 3 9 3 1 1 3 1 1	1 0 2 6 3 1 1 3 2	1 0 1 6 3 1 1 3 1 2	1 0 2 5 3 1 1 5 2 2	1 0 3 4 3 1 1 5 2 2	1 1 4 6 4 1 1 4 2 2	2 0 3 10 3 0 1 3 2 2	2 0 4 13 3 1 1 3 2 2	1 0 4 16 2 0 0 2 2 1	1 0 2 2 1 0 2 2 1 0	2 0 5 8 2 1 0 4 1 0	5 0 13 6 3 6 1 1 1	2 0 6 5 2 2 1 1 2 0	1 0 5 4 2 2 1 1 2 0 2	1 0 3 3 1 1 1 1 0 0 2	1 0 3 3 1 2 1 1 1 0 0	10340211111	1 1 4 4 1 3 1 1 1 1 1 1	1 1 3 3 0 1 1 0 1 0	3 1 3 5 0 1 1 0 1	3 2 3 4 0 2 2 0 1 0	1 1 3 3 0 2 2 0 1	2 0 4 6 2 1 1 2 1 1
31 MEAN	1	1	2	2	1	2	1	2	2	2	2	1	1	3	2	1	1	1	1	2	1	1	1	1	1.5

PERCENTAGE OF DATA VALID - 98.8 PERCENTAGE OF DATA INVALID - 0.7

PERCENTAGE OF DATA UNAVAILABLE - 0.5

NOTES 1. ****** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POLI	LUTANT	. s	ULPH	UR DIO	XIDE							U	NITS	- 0.0	1 PAR	TS/MI	LLION	4						
	STAT	TION -	С	NO	33002	F	HARMA	CY AND	401	SCA	RBORO	UGH				MONT	H - F	EВ	77						
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	. 19	20	21	22	23	24 ME	AN
1 2 3 4 5 6 7 8 9	1 1 9 0 1 0 0 2 4 3	1 1 10 0 2 0 0	1 2 6 2 1 2 2 3 7	1 4 1 1 0 1 3	1 1 5 0 1 1 1 4 8	1 0 6 0 0 1 1 3 11 1	0 0 5 1 0 1 1 4 1 1 1 1 1 1 1 1	1 0 5 2 0 1 1 1 1 1 1 1 1	1 5 1 0 1 1 4 10	1 1 4 1 2 2 1 4 7	1 2 3 1 1 2 1 6 5 0	1 2 2 1 1 1 1 9 5 0	1 2 2 1 0 1 1 7 5 0	1 2 3 1 1 0 1 5 5 0	1 1 0 2 0 1 16 5	1 3 1 1 2 1 1 2 4 2	0 10 1 1 2 0 1 4 4	0 8 1 1 0 1 4 4	0 4 0 1 1 0 1 3 5 1	1 10 0 1 3 0 1 3 6	1 13 0 1 2 0 1 13 6	2 8 0 0 1 0 2 18 5	1 5 0 1 1 0 2 7 4	1 12 0 1 0 0 2 3 3	1 4 3 1 1 1 6 7
11 12 13 14 15 16 17 18	1 1 1 0 0 1 0 2 2 1	2 2 1 1 1 0 6 2 2	3 2 2 1 1 3 1 1 1 2 2	2 1 2 1 1 4 1 9 1 2	2 1 2 1 1 3 1 7	2 1 1 1 3 2 10 2 2	2 1 1 1 1 3 2 6 2	2 1 2 1 1 4 2 5	2 1 2 1 1 3 1 5 1 2	2 2 2 1 1 4 1 6 1	2 2 1 1 1 3 1 6 1 2	1 2 1 1 2 - 7 0 2	1 3 2 0 1 2 1 7	2 3 1 1 - 3 - 8 1	1 3 1 1 1 2 	1 2 1 3 2 1 6 1 2	1 1 1 3 1 1 5	1 1 1 0 1 1 1 5	1 1 0 1 1 5 1	1 1 1 1 0 1 6	1 1 1 0 1 2 6 1	1 1 1 0 1 2 6	1 1 0 0 0 5 3	1 1 0 1 1 0 2 2 1 0	2 1 1 1 2 1 6 1 1
21 22 23 24 25 26 27 28	0 9 2 1 0 1 5 5	1	1 11 3 1 1 5	1 8 2 1 1 - 5	1 6 2 1 1 3	1 15 2 1 0 6	1 8 2 1 0 6 6	2 6 1 1 6 6	1 18 1 1 6 5	1 1 1 0 6 6	1 5 1 0 6 6	0 6 1 1 0 6	1 6 1 0 6 6	1 5 1 1 6 6 5	1 5 1 1 1 6 6	5 4 1 0 1 6 6	3 5 1 0 1 6 6	1 3 1 0 6 6 5	1 3 1 0 6 6 5	1 3 1 0 1 5 6 5	1 3 1 1 5 5	5 3 1 0 1 5 5 5	82100555	92110555	2 6 1 1 5 6 5
MEAN	2	2	3	3	2	3	3	3	3	3	2	2	2	3	3	2	2	2	2	2	3	3	2	2	2.5

PERCENTAGE OF DATA VALID - 98.7 PERCENTAGE OF DATA INVALID - 0.4

PERCENTAGE OF DATA UNAVAILABLE - 0.9

- 2. *- INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNITS - 0.01 PARTS/MILLION

	ST	NOITA	- 0	NO	33002	2	PHARM	ACY A	ND 40	1, SC	ARBORO	ugh				MO	NTH -	MAR	77						
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1 2 3 4 5 6 7 8 9	6 5 1 0 0 0 0 2	5 1 1 0 0 0 2	5 5 2 1 1 1 3 1	5 5 1 1 1 1 2 1	5 5 1 1 0 1 1 2 2 0	5 5 1 2 0 1 1 1 2	5 2 1 0 0 0 1 2 1	5 5 3 1 1 1 1 3 1	5 6 3 1 1 1 1 5 1	563110152	5 6 2 0 0 1 0 1 4 2	5 6 2 0 0 1 0 1 1 2	5610010232	5 3 1 1 1 1 1 2 3 2	5 0 1 0 0 1 1 2 3		5 1 1 0 0 0 2 1 2 1	5 1 0 0 0 0 1 1 1 1 1	5 0 1 0 0 0 0 1 1 0	5 1 1 0 1 0 1 2 1 0	5 1 0 1 0 0 -	5 1 1 0 1 0 0 -	1 1 0 0 0 0 2 1 2	5 1 1 1 0 0 0 2 1 2	1 1 2
11 12 13 14 15 16 17 18 19	1 0 0 0 0 0 0 0 0	000000000	1 0 0 0 1 0 1 1 1	0 0 0 0 1 1 1 1 1	0 0 0 0 0 0 0 1 0	0 0 0 0 0 0 0 1 0	0 0 0 0 0 0 1 1	1 0 0 0 0 1 0 1 1 1 1	0 0 0 0 0 1 2 1	1 1 0 0 0 0 0 0 0 1 1	1 0 0 0 1 0 0 1 1	1 0 0 1 0 0 1 1	000000000000000000000000000000000000000	2 1 0 0 2 1 0 1 1 1 1	2 1 1 0 2 0 0 0 1 1 1	2 1 0 0 2 0 0 0 1 1	2	2 0 0 0 1 0 0 0 1 0	1 0 0 0 1 0 0 0 2 0	1 0 0 0 1 1 1 1 2 0	1 0 1 1 1 0 1 0	1 0 1 1 1 0 1 0	0 0 0 1 1 0 1 0 1 0	0 0 0 1 1 0 0 0	0 0 0 0 0 1
21 22 23 24 25 26 27 28 29 30	000000000000000000000000000000000000000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 0 1 0 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	000000000000000000000000000000000000000	0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 0 0 0 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0		2 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	200110000000000000000000000000000000000	2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0	1 0 0 0 0 	000000000000000000000000000000000000000	000000000000000000000000000000000000000	000000000000000000000000000000000000000	000000000000000000000000000000000000000	000000000000000000000000000000000000000	000000000000000000000000000000000000000	000000000000000000000000000000000000000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
MEAN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.8

PERCENTAGE OF DATA VALID - 94.6 PERCENTAGE OF DATA INVALID - 4.6

PERCENTAGE OF DATA UNAVAILABLE - 0.8

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. "***** INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

UNITS - 0.01 PARTS/MILLION POLLUTANT - SULPHUR DIOXIDE STATION - C NO 33002 PHARMACY AND 401, SCARBOROUGH MONTH - APR 77 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 HOUR 5 6 7 DAY 0 000 0 0 0 0 1 0 0 8 9 10 11 12 13 14 15 16 17 18 19 20 3 2 2 2 3 3 3 21 22 23 24 25 26 27 28 29 0 0 0 0 0 0 0 0 0 0 0 0 1 00001 0 0 0 4 0 0 30 2 2 1 1.4 MEAN 1 1 1 1 1 2 1 .1

PERCENTAGE OF DATA VALID - 97.2

PERCENTAGE OF DATA INVALID - 1.4

PERCENTAGE OF DATA UNAVAILABLE - 1.4

- 2. *- * INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

	S	MOITAT	- (NO NO	3300	2	PHARM	ACY AN	0 40	1. SC	ARBOR	ROUGH				MON	HTH -	MAY	77						
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	2	2		2	1	2	4	6	3	2	2	2	2	2	3	2	2	2	3	2	2	2	1	1	2
2	1	1	1	1	0	0	J	0	0	0	0	0	9	1	3	0	0	0	0	1	0	0	. 0	0	ī
3	0	0	0	0	0		1	1	0	0	-		- 1	1	0	1	1	1	1	1	1	2	1	1	i
4	2	3	- 1	1	2	3	1	1	1	1	1	1	****	1	1	0	0	0		1	1	1	1	1	1
5	1	1	1	0	0	1	1	0	0	0	0	,	1	1	1	1	1	3	3	2	1	2	1	2	1
6	2	3	2	1	1	1	2	1	1	,	1	0	1	1	1	2	6	1	1	0	0	0	0	0	1
7	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	****	0	****			****	****	****	1			1	*****
9	****	****	****		****	****	****		-	****	****	****	0	0	0	1	5	5	5	1	1	1	1	1	
10	1	1	1	1	0	0	,	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	1	1	1	1	1	1	2	2	2	3	1	1	2	4	****	3	2	1	1
12	1.	1	1	1	1	1.	2	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0		0	0	1	0	0	0	0	1	0
14	2	1	1	0	0	. 1	0	0	0	0	0	0	0	0	0	1	0	0	****	0					0
15	****	****	****	****			3	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
16	6	6	6	6	6	13	11	1.1	6	6	6		6	6	6	6	6	6	6	6		6	6	6	7
17	6	6	6	6 6	6	6		6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
18	6	6	6	6	6		0	0	0	0	****	1	2	1	1	Q	0	ō	6 0 2	6	ō	ō	ō	ō	2
19	0	0	0	0	D	0	0	0	0	0	0	0	0	- 1	1	2	2	2	2	2	1	1	1	3	7
20	4	2	2	1	1	1	2	2	2	1	1	2	4	2	2	4	4	3	2	2	1	1	1	ī	2
21	1	2	1	1	1	1	2	1	2	3	3	3	7	5	6	5	6	6	4	4	4	2	2	2	3
22	2	1	1	1	1	1	7	2	2	3	4	5	7	7	5	3	3	3	4	3		2	2	1	3
23	1	1	1	1	2	3	7	6	4	3	3	3	- 4	1	1	2	3	3	3	3	2	2	2	2	3
24	3	2	2	2	2		2	2	0	2	0	3	6	4	1	1	1	0	1	1		ō	ō	ō	2
25	0	1	0	0	0	0	2	0	0	0	0	0	1	-		1	0	0	0	o	i	ō	ō	ō	ō
26	0	0	0	0	0	0	2	1	0	0	0	0	1	- 1	1	3	1	0	0	ō	ò	ō	ō	ō	ő
27	1	0	0	0	0	1		1	1	0	0	0	3	3	2	3	2	2	2	2		2	2	1	1
28	2	1	1	1	1	1	2	2	2	2	2	1	2	2	1	1	2	1	1	1	1	1	- 4	- 1	i
29	1	2	1	1	1.	1	1	1	1	1	1	1	2	2	1	- 1	1	- 1	2	2		2	ż	4	i
30	2	1	1	1	1	1	2	2	1	1	1	1	3	2	2	2	2	2	2	2	2	1	1	1	2
31	2	2	1	1	10	2	2	2	3	2	••••	1	2	3	3	3	3	3	3	3	3	3	2	2	2
MEAN	2	2	1	1	1	2	2	2	2	1	1	2	3	2	2	2	2	2	2	2	2	2	1	1	1.7

PERCENTAGE OF DATA VALID - 94.5 PERCENTAGE OF DATA INVALID - 4.8

PERCENTAGE OF DATA UNAVAILABLE - 0.7

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. *- INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	PC	LLUTA	ANT -	SULP	HUR D	IOXID	E							UNITS	s - o.	01 PA	RTS/N	MILLIC	N							
	SI	TATIO	٠.	C NO	3300	2	PHARM	MACY	AND 40)1. S	CARBO	ROUGH				MON	TH -	JUN	77							
DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	. 19	20	21	22	23	24	MEAN	
1 2 3	3 1 1	1 1	1 1	1 2	1	1	2 1	1	3 1 2 3	5 1 1 3	4 1 1 3	3 1 1 2	3 1 1 2	1	3 0 2	2 1 1	2 0 2 2	0 2 2	2 1 2	2 0 2 3	0	1 1 2	1 1 1	1 1	2 1 1	
5 6 7	1 0	1	1 1 0	1 0	1 0 0	0	1 0 0	0	1 0 1	1 0	1 0	000	0	0 0	1 0	0	0		3 0 0	0	0 0	3 1 1	2 0	0	0	
9 10	2	3	4 0	4	3 0	3	3	3	3 1	3	3 1	3	0	3 0 0	3 1 1	3 1 1	3 0 1	3 0 1	2 0 0	0	2 0 0	3 1 1	2	2 2 0	2	į.
11 12 13 14	0000	0 0 0	0	0	1	0 1 0 2	0 1 0	0	1 1 0 -	1 0 1	1 0 0	0 0 0 1	0 0 1	0 0 2	1 1 0 2	0 0 1 2	0 1 2	0 1 1	0	0 0 1	0 0 0	0 1 1 0	0 1 0 1	000	0	É
16 17 18 19 20	0 0	0	0	0	0	0	0000	0 0 0	0	0	0 0 0	0 0	000	0 0 0	2000	0	0 1 0	0 0 1 0	0 0 0	0 0 0	0 0 0	1 0	0 0 0	0000	0	,
21 22 23	0 0	0 0	0	1 0	0	0 0	0 0	0 0	0 0	0 0 1	0 0 2	0 0	0	0 0	1 0	0 1 2	0	0 0	0	0	0 0 0	1 1 0	0	0	0	
24 25 26 27 28		0	0	0	••••	0	0			~	0	0	0	0	0 1 2	0 0 1	2	0				0 1 1				i.
29 30 MEAN	0	0	0	0	0		0	0	0	1	1	2	1	3	0 2	0 3 1	2	0 3	0 0 4	0 0 0	0 0	0 2	1	0 0 1	0.7	
																					•		10.0	_	W. 1	

PERCENTAGE OF DATA VALID - 86.5

PERCENTAGE OF DATA INVALID - 11.9

PERCENTAGE OF DATA UNAVAILABLE - 1.5

- NOTES 1. "***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE
 - *- INDICATES DATA IS UNAVAILABLE
 - 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNITS - 0.01 PARTS/MILLION

	51	TATIO	٠.	C NO	33002		PHARM	ACY A	ND 401	, sc	ARBOR	OUGH				MON	тн -	JUL	77						
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 N	EAN
1 2 3 4 5 6 7 8	0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1000	0 1 0 1	1 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 0 0 0 0 0 0 0	00000000	00000	1 1 2 1 0	1 0 2 1 0 0 0 0	1 0 1 1 0 0 0 0 0	1 0 1 6 0 0 0 0	1 0 1 2 0 0 0 0 0	1 0 1 3 0 0 0	1 1 3 2 0 0 0	2 0 1 3 1 0 0	2 0 1 2 1 0 0 1 0	1 0 1 2 1 0 0 2 0	1 0 1 4 1 0 0 3	1	2 1 0	2 0 1 1 0 1 1	1 0 1 1 0 0 0 0	0 0 1 0 0 0 0	1 0 1 2 0 0 0
10 11 12 13 14 15 16 17 18 19 20	0 0 0 1 0 0 0 0 0 0	0 0 0 1 0 0 0 0 0 0 0 0 0	110000	2 0 1	0 0 1 1 0 3 0 1 0 1 0	0 0 1 0 0 5 0 0 1 0	0 1 0 0 0 0 1 0	000000000000000000000000000000000000000	1 0 1 0 3 1 1 1 1 0 0	0 0 1 1 1 4 1 1 1 2 0	0 0 2 1 1 4 1 1 2 2 2	0 1 2 **** 4 1 1 **** 2	0 1 2 0 2 3 1 2 2 2 2 2	0 1 2 0 2 3 0 2 3 2 3	1 2 0 2 - 1 1 2 2 5	0 2 3 1 2	0 2 2 0 3 - 3 1 5 3	0 2 2 0 2 **** 3 1 5 3	0 1 3 **** 1 0 3 1 3 2	1 2 0 1 0	0 1 0 1 0 0 0 0 1 1 1	0 2 2 1 1 1 3 1 2 2 2	0 1 1 0 1 0 1 1 1 1	0 1 0 1 0 0 1 1	0 1 1 0 1 2 1 1 1 1 1 1 1
21 22 23 24 25 26 27 28 29 30	1 0 0 0 1 0 1 3 1 2	1 0 0 0 1 0 1 3 1 2	11000	3 0 0 2 2 3	0 0 1 2 0	1 0 0 0 1 0 1 2 1 1	0 1 0 0 2 2 1 1	0 1 0 1 0 2 2 2	1 1 0 1 1 2 3 3 2 2	1 1 0 1 2 2 3 3 3	1 1 0 1 1 1 2 3 3	1 0 0 1 0 0 2 2 2 3	0 0 0 1 0 0 2 2	0 0 0 1 0 0 2	0 0 0 0 0 1 3 1	1 1 0 1 1 2 4 4	1 1 0 1 0 2 3 3	1 1 0 0 0 0 1 3 - 3 2	0 0 0 1 2	0 1 0 0 0 0 0 1 2 1 2 1	0 0 0 0 0 1 1 1	1 2 0 2 0 3 2 2 2	1 0 0 1 1 1 3 1 2	0 0 1 0 1 3 1 2 1	1 1 0 1 1 1 2 2 2
31 MEAN	0	0	1		1	1	0	0	1	1	3	1	1	5	5	5 2	2	1	4	3	1	3	1	3	3 0.9

PERCENTAGE OF DATA VALID - 94.1 PERCENTAGE OF DATA INVALID - 3.6

PERCENTAGE OF DATA UNAVAILABLE - 2.3

NOTES 1. ****** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	PO	LLUTA	NT -	SULPH	UR DI	OXIDE								UNITS	- 0.0	1 PAR	RTS/MI	LLION	N						
	ST	ATION	- (NO.	33002		PHARM	ACY AN	D 40	1. SÇ	ARBOR	OUGH				MONT	гн - д	UG	77						
DAY	1	2	3	.4	5	6	7	В	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1 2 3 4 5 6 7 8 9	2 0 2 1 0 0 0 0 0 0 0	2001000000	2 0 0 1 0 0 0 0 0 1	4 1 0 1 0 1 0 0 1	3 1 0 1 0 0 0 0 1	3 0 0 1 0 0 0 0 0	200300000	2 1 0 4 0 0 0 1 1 0	2 1 1 4 0 0 1 1 1 1 1	2 2 2 2 0 0 1 1 1 1	1 2 2 2 1 0 0 1 1 1	1 2 3 0 0 0 2 1	1 3 3 2 1 0 0 1	1 2 1 1 1 0 1 1 1 2	2 1 4 1 1 0 1 1 1 2	2 2 2 1 1 1 2 1 3	1 1 2 1 1 0 1 6 1 2	1 1 1 1 1 0 3 1 1	1 1 1 1 0 0 0 2 1 1	1 1 2 1 1 0 1 0 1	1 3 1 1 1 0 0 1 0 0 0	2 3 2 1 1 1 1 1 1 1 1 1 1	1 1 1 1 0 0 1 1 0 1	0 1 1 0 0 1	2 1 1 2 1 1 0 0 0 1 1 1 1
11 12 13 14 15 16 17 18 19	1 0 1 1 0 1 0 0 0	0 0 1 1 0 0 0 1	0 0 1 1 0 0 0 0 1	1 0 3 2 1 2 0 0	0 0 3 1 0 1 0 0	0 0 3 1 0 0 0 0 1 1	0 1 3 1 1 0 1 0	0 1 4 0 1 0 0 0 1 0	1 5 0 1 0 1 0 1	1 1 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 0 1 1 3 1	3 0 0 0 1 1 4 2	0 0 1 1 1	1 5 2 0 0 0 0 0 0 0 2 2	1 5 2 0 1 0 0 0 2	1 3 3 1 1 1 1 1 3	1 3 3 0 1 0 1 1 3	1 2 3 0 1 0 0 0 1 1	1 2 3 0 1 0 0 0 1 1	0 1 2 0 1 0 0 0 1 1	0 1 2 0 1 0 0 0 1 1	1 2 3 1 2 1 0 1 1	0 1 2 0 1 1 1 1 1 3	0 1 1 0 1 1 1 1	1 1 3 1 1 0 0 0 1 1 1
21 22 23 24 25 26 27 28 29	1 1 0 0 0 0 1 1 1 2 2	0 1 0 0 0 0 1 2 2	0 1 0 0 0 0 0 0 2 2	0 1 1 0 0 1 2 3 3 3	1 1 0 0 0 0 1 1 1 3 3 3	0 1 0 0 0 1 1 2 2 2 *****	0 0 0 0 1 0 0 2 2	0 0 0 0 1 1 1 3 3 2	1 1 0 1 1 1 4 2	1 **** 1 **** 1 1 4 1 ****	1 1 0 1 1 1 2 3 1	2 1 **** 0 1 3 4 3 0	2 1 0 0 1 2 4 3 0 0	2 1 0 0 1 2 3 3 0	3 0 0 1 3 3 3	3 1 1 2 3 3 3 0 1	2 1 0 0 2 3 3 3 0	2 0 0 2 2 3 3 0	2 0 0 1 2 4 3 0	1 0 0 0 1 2 3 4 0	1 0 0 0 0 1 4 3	1 1 1 2 3 3 3 2	1 1 0 0 0 1 1 3 2	0 0 0 0 1 1 2 2 2	1 1 0 0 0 1 1 1 2 3 3 1
31 MEAN	0	0	0	0	1	1	0	1	0	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1.0

PERCENTAGE OF DATA VALID - 96.2 PERCENTAGE OF DATA INVALID - 3.5 PERCENTAGE OF DATA UNAVAILABLE - 0.3

- 2. *- * INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNITS - 0.01 PARTS/MILLION

															100000											
	STA	TION	- с	NO 3	33002	P	HARMA	CY AN	D 40	i. sc	ARBOR	DUGH				MON	тн -	SEP	77							
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 N	EAN	
1	2	2	2	2	3	3	2	4	2	2	3	3	3	2	2	2	2	••••	1	4	1	1	1	1	2	
2	1	1	0	0	1	1	1	1	1	1	1	1	1	0	1	2	1	1	1	- 4	1	•	•	ì	- 7	
3	1	0	0	0	1	1	0	0	1	1	1	1	0	1	1	2	1	1	- 1	ò	ò	'n		ò	- 4	
4	0	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	ĭ	ř	ĭ		ĭ		
5	1	1	2	1	2	î	- 1	1	4	2	1	1	1	o	ō	ō	- 1	- 7	- 7	ó	ò	à	- 6	- 1	- 2	
6	0	0	0	0	1	î	1	1	1	2	1	1	1	1	1	ĭ	2	2		ĭ	Ÿ	ř	3	2		
7	2	3	3	2	2	î	1	1		1	1	1	0	ò	ó	ò	ī	ō	ė.		ò		3	ő	- 1	
8	0	ō	ō	0	0	0	0	o	0		0	0	Ď	ŏ	ŏ	ŏ	ò	ŏ	ŏ	0	ŏ	ŏ	ò	ŏ	2	
9	ō	ō	ŏ	ō	1	ō	ō	ō		0	ō	ĭ	ĭ			2	2	2			370	·	Ÿ		Ü	
10	ĭ	o	ō	ŏ	- 1	ĭ	1	õ	0	ŏ	ŏ	ò	ò	0	ò	ő	- 1	ő	2	1	1		0	1	1	
	-	•		•			•	*			·				U	0	4.	U	U	0	0	0	U	0	0	
11	0	0	0	O	0	0	0	0	0	1	1	1	0	0	0	0	1	1	1	1	11	1	1	0	0	
12	0	0	0	0	0	0	2	1	1	2	6	4	1	1	1	1	2	1.	1	2	0			1	1	
13	1	1	1	1	2	1	1	1	0	1	1	0	0	0	0	0	0	D	0	0	0	0	1	0	1	
14	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0		I=1	0	0	0	0	1	1	0	
15	0	0	0	0	1	0	1	0	0	1	0	0	0	0	0	0	1	0	0	o	ō	o	0	0		
16	0	0	0	0	0	0	0	0	0	1	••••	0	0	0	0	0		0	0	0	ŏ	0	0	0	0	
17	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	ō	ō	o	ŏ	ō	ō	ō	õ	
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	ō	0	ō	0	ŏ	ŏ	ŏ	ŏ	ŏ	õ	
19	0	0	0	0	0	0	0	0	0	0	0	0		0	0	ō	0	0	0	ŏ	ŏ	ŏ	õ	ŏ	0	
20	0	0	0	0	0	0	0	0	ō	0	0	0	0	o	ō	ō	1	ŏ	ŏ	ŏ	ŏ	ŏ	ŏ	ŏ	ň	
1900																-		•	•	•		•	•	•		
21	0	0	0	0	0	0	0	0	0	1	٥	0	0	0	1	1	2	1	1	1	1	1	1	1	1	
22	1	1	0	0	1	1	1	1	1	1	2	4	1	1	1	1	2	1	1	1	1	1	2	1	1	
23	1	1	1	3	1"	- 1	1	1	1	2	- 1	1	1	1	1	-	2	1	1	0	1	1	1	1	1	
24	1	1	1	1	1	- 1	1	1	1	1	- 1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	
25	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1	19	1.	1	1	- 1	•	1	1	1	- 1	
26	1	1	1	. 1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0		- 1	Ó	0	0	1	
27	0	0	0	0	0	0	0	0		****	0	0	0	0	1	0	0	0	0	0	- 1	0	0	0	Ó	
28	0	0	1	0	0	0	0	0	1	0	0	0	1	1	1	1	1	0	ŏ	ŏ	2	ō	ō	ō	ŏ	
29	0	0	1	0	0	0	1	2	1	1	1	1	0	0	1	1	0	ō	ŏ	ŏ	2	1	ī	ĩ	1	
30	1	1	2	2	2	2	2	3	3	3	2	2	2	1	2	2	2	1	ĭ		-		i	i	2	
MEAN	ï		1	0	1	4	1		1	1	1	1	1	0		1										
	,									,		1	- 1	U	1	1	1	1	1	0	- 1	0	1	1	0.7	

PERCENTAGE OF DATA VALID - 97.8 PERCENTAGE OF DATA INVALID - 1.3

PERCENTAGE OF DATA UNAVAILABLE - 1.0

NOTES 1. ****** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POLI	UTANT	- s	ULPH	UR DIO	XIDE							1	JNITS	- 0.	01 PA	RTS/M	LLIO	N						
	STAT	ION -	С	NO:	33002		PHARMA(CY AN	D 401	, SCA	RBOR	DUGH				MON	TH - (ост	77						
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 M	EAN
1 2 3 4 5 6 7 8 9	1 1 1 2 2 2 1 3	1 1 1 2 1 1 2 3	1 2 2 2 2 2 2 2 4	1 1 2 2 2 2 2 3 3	1 1 2 2 2 1 3	1 1 1 2 2 2 2 2 2 2	1 1 2 2 2 2 2 3 2 2 2 2	1 1 2 3 2 3 3 2 2 2	3 3 2 3 2 2	1 1 2 4 2 2 2 2 3	1 1 2 2 2 2 2 2 2	1 1 1 2 1 2 2 2	1 1 0 1 3 1 2 2 2 2	1 1 1 3 1 2 2 2 2	2 1 1 3 3 2 2 2 2 2	1 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	1 1 1 2 2 2 2 2 2	0 1 1 2 2 2 2 2 2 2 2	2	2 2 2 2 2 2 2 2 3	1 2 1 2 2 2 3 2	1 1 1 2 2 2 3 2	1 1 2 2 2 2 3 2 4	1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
10 11 12 13 14 15 16 17 18 19 20	2 4 1 0 2 5 3 1 2 1 0	3 2 0 2 4 2 1 3 2 0	3 4 2 1 3 4 2 2 3 2 0	2 3 2 1 4 4 2 1 2 2 0	2 1 3 4 2 1 1 2 0	3 2 1 3 4 2 1 1 2 0	3 1 2 3 4 2 1 2 3 0	3 4 4 4 4 4 2 1 2 4 0	4 4 4 4 2 1 2 3	2 4 1 2 3 3 2 1 3 0 1	1 2 3 2 1 3	5 1 2 2 1 1 3 1	2 4 1 0 2 3 1 1 2 1 1	2 4 0 1 2 3 1 1 2 1	5 2 2 2 2 2 1 1	3 2 3 1 2 2 1 2	2 0 2 3 3 1 1 1 1 1 1	1 0 2 3 3 1 1 1 0 1	1 0 2 3 3 1 1 1 0	2 0 0 2 3 2 1 1 1 0 1	3 1 3 4 3 1 1 2 0	1 1 3 4 3 1 1 1 0	4 1 2 4 3 1 1 1 0	1 0 2 4 3 1 2 2 0 1	3 1 2 3 3 2 1 2
21 22 23 24 25 26 27 28 29	1 2 0 1 2 3 1 1 2 3	1 2 0 1 3 3 1 1 2 3	2 3 1 1 3 3 1 1 2 3	2 2 1 1 4 4 1 1 2 3	2 1 1 4 5 1 1 2	2 2 0 1 6 6 1 1 2 0	2 1 0 2 5 5 1 1 2 2	2 1 0 2 4 5 2 2 3	2 1 2 3 7 2 2 3 3	2 1 1 2 5 2 2 3 2	2 2 0 1 3 6 2 2 2	2 1 1 4 10 2 1 2 2	2011552222	2011532	1 1 2 5 3 3	30124333333	2 0 1 2 3 2 4 3 2 3	3 0 1 3 1 3 3 2 2	3 0 1 1 3 2 2 3 2 3	2011412222	3 1 1 2 3 2 2 2 3 2	2 1 1 2 3 2 2 3 3 2 2	2 1 1 3 3 1 1 2 3 3	2 1 1 3 4 1 1 2 3 2	2 1 1 2 4 4 2 2 2 2 2
31	2	2	2	2	2	2	3	3	3	3	3	3	1	2	1	1	0	1	1	1	1:	1	1	1	2
MEAN	2	2	2	2	2	2	2	2	3	2	2	2	2	2	2	2	2	2	2	1	2	2	2	2	1.9

PERCENTAGE OF DATA VALID - 98.5 PERCENTAGE OF DATA INVALID - 1.3

PERCENTAGE OF DATA UNAVAILABLE - 0.1

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ******* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNITS - 0.01 PARTS/MILLION

			_		0,1 0,0																					
	ST	ATION -	C	NO :	33002		PHARM	ACY A	ND 40	1. SC	ARBOR	OUGH				MON	TH -	NOV	77							
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1 2 3 4 5 6 7	1 0 0 0	0 0 0	1 0 0 0 0	0 0 0 0	00000	1 1 0 0 0 0 0 0	1000000	1 1 0 0 0	2 2 0 0 0	2 1 0 0 0	0 0 0	1 1 0 0 0	2 1 0 0 0	0 0 0 0	1 0 1 1 0	00000	0 0 0 0 0 0	000000	000000	000000	0 0 1 0 0	00000	100000	00000	000000000000000000000000000000000000000	
9 10			0		0	1		0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	
11 12 13 14 15 16 17 18 19	0 0 0 0 1	0 0 0 8 1 1 0	0 0 0 0 4 1 1 0 0 1	0 0 0 0 4 2 1 0 0 1	0 0 0 4 2 1 0 0 1	0000521000	0 0 0 1 7 1 1 0 0 0	0 0 0 1 2 1 0 0	0002721101	0 0 2 6 2 1 0	0 0 0 1 3 2 1 0 0 1	3111	0 0 0 1 3 1 0 0 0 1	0002210		0 0 0 1 3 1 2 0 0 1	0 0 1 2 1 1 0 0 1	2 2 0 0 1	0 0 4 2 2 0 0 0 1	0 0 0 3 2 1 0 0 0 1	1 0 0 3 4 2 1 0 0 0	000000000000000000000000000000000000000	0003210011	0 0 0 0 1 1	0 0 2 4 2 1 0	
21 22 23 24 25 26 27 28 29 30	1000110011	1 0 0 1 0 1 1 1 1 1	2 0 1 1 1 0 1 1 3	2 0 0 1 0 1 1 0 1 2	20001100112	0 0 0 0 0 1 2	200000000000000000000000000000000000000	0	0	1	000001221	0 0 1 0 0	0 0 0 0 1 2 1	0001	0	0 0 1 1 0 1 1 6 1	0 0 0 1 7 1	0 0 1 4 1	000000140	0 0 0 0 1 4 1	1 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 1 0 2 0 1 2 4 1	0	0	0 0 0 0 0 1 3	
MEAN	1	1	1	1	1	1	-1	0		-1	1	1	0	1	1	1	1	0	1	0	1	1	,	,	0.6	

PERCENTAGE OF DATA VALID - 93.9

PERCENTAGE OF DATA INVALID - 4.6

PERCENTAGE OF DATA UNAVAILABLE - 1.5

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. .. INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

UNITS - D.O1 PARTS/MILLION POLLUTANT - SULPHUR DIOXIDE STATION - C NO 33002 PHARMACY AND 401. SCARBOROUGH MONTH - DEC 77 13 14 16 19 20 21 22 23 6 9 10 11 12 15 01000004 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 1 4 2146000022 2346000023 3 4 6 0 0 0 0 2 3 4 6 0 • 24660000 3346000022 ...0 31 3 3 2 2 2 2

PERCENTAGE OF DATA VALID - 95.8

PERCENTAGE OF DATA INVALID - 3.5

PERCENTAGE OF DATA UNAVAILABLE - 0.7

- 2. .. INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1977

POLLUTANT - SULPHUR DIGKIDE

UNITS - 0.01 PARTS/MILLION

POLLUTANT - SUL	PHUR DIGKIDE		UNITS - 0.01 PARTS/MILL	ION
STATION - C N	0 33002 PHARMACY A	ND 401, SCARBOROUGH		
MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
140	31	1.5	6	16
FEB	28	2.5	7	18
MAR	28	0.8	5	6
APR	30	1.4	4	11
MAY	29	1.7	7	13
JUN	24	0.7	2	5
JUL	31	0.9	3	6
AUG	30	1.0	3	7
SEP	30	0.7	2	6
OCT	31	1.9	4	10
NOV	28	0.6	4	11
DEC	30	1.9	5	9
YEAR	350	1.3	7	18

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1977

STATION -	C	NO 3	3002	P	HARM	ACY A	ND	401,	SCA	RBORO	JGH							
MONTH	00	TO 04	05	TO 1	0 1	1 TO	14	15	TO 2	5 26	то з	40	&OVE	R TOTAL				
JAN		698	3	3	2		4			1)		73	5			
FEB		515	5	13	4		10		9	4	i)	Ċ	66	3			
MAR		665	5	3	9		0		9	0	9)	Ċ	70	4			
APR		683	3	1	6		1		20	0	9	5		70	0			
MAY		613	3	8	7		3		0	0	9)	9	70	3			
JUN		623	2		1		0		V	0	j)		62	3			
JUL		693	2		8		0		lý	0	į	•	(70	0			
AUG		71	Ű.		5		0			0	2	•		71	6			
SEP		70	3		1		0			0))		70	14			
ост		71	5	1	8		0			0	3)	(73	3			
NOV		66	В		9		1			0	9)		67	6			
DEC		64	4	6	9		0			0	3)	9	71	3			
YEAR		792	7	41	9		19			5))	9	837	0			
FREQUENCY	PER	CENT	TION	BY PE	RCEN	TILES							TIONS					
		DATA LID	MI	N		10		30		QUENC 50	70	RIBU	90 90	PERCENT 95	98	99	MAX	ARITH MEAN

95.5 0 0.0 0.0 0.4 1.1 2.7 4.1 5.5

POLLUTANT - SULPHUR DIOXIDE UNITS - 0.01 PARTS/MILLION

6.0 18 1.3

UNITS - 0.01 PARTS/MILLION

	STA	TION	C	NO	33003		LAWREN	NCE/KE	NNEDY	SCAF	BOROL	JGH				MO	NTH -	JAN	77						
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1 2 3 4 5 6 7 8 9	1 2 3 4 2 1 6 1 3	2 2 4 2 1 7 1 2 1	2 2 2 4 2 3 3 2 1 1	2 2 3 6 2 1 2 3 1 1	2 2 3 6 2 2 2 3 2 1	1 2 3 3 2 1 3 3 4 1	2 1 3 3 1 1 3 4 2 1	3 1 3 3 2 1 3 5 2 1	2 1 3 3 2 2 3 5 1 1	3 1 3 1 2 2 3 1	2 1 6 3 1 2 2 2 1	2 1 8 6 1 2 1 1 2	2 1 8 2 1 2 1 1 2 1	2 1 5 1 1 2 1 2 3	2 1 9 1 1 1 3 2 3	2 1 8 1 1 3 1 2 2	2 3 6 1 1 5 1 3 1	6	2 4 10 1 1 6 1 6 2	2 3 6 1 1 4 1 2 2 1	2 3 4 2 1 4 1 2 1	2 3 5 2 1 5 1 2 1 1	2 4 2 1 10 1 2 1 2	2 2 4 2 1 9 1 3 1 2	2 2 5 3 1 3 2 3 2 1
11 12 13 14 15 16 17 18 19	2 1 5 5 1 4 1 1	2 3 1 7 5 1 5 1 1 2	2 3 2 8 4 1 1 1 2	2 3 1 7 3 1 4 1 2 2	1 3 1 7 3 1 3 1 2	1 2 2 7 3 1 1 1 1 2	1 2 2 8 3 1 2 1 1 2	1 3 3 8 2 1 2 2 1	1 3 3 8 2 2 1 2 1 1	1 3 8 2 1 1 1 1	1 3 2 7 4 1 1 1 1 1 1	1 2 7 6 1 1 1		0 2 **** 6 2 1 2 1	1 2 6 2 1 1 1 2 1	5 2 1 1 1 2	1 13 5 2 1 2 2	1 7 6 2 1 2	1 1 4 6 1 1 2 - 1 1	1 1 2 6 2 1 2 2 1 2	1 1 2 5 1 1 3 2 1 2	2 2 5 1 1 2 3 1	1 2 3 5 1 4 1 2 2 2	2 1 3 5 1 4 1 2 2 2	: 2 3 6 3 1 2 1
21 22 23 24 25 26 27 28 29	2 2 5 5 1 0 2 5 5	3 0 3 6 5 1 0 2 5 4	2 0 3 8 4 1 0 2 5	2 0 3 9 4 1 0 3 5 5	2 0 3 7 4 2 0 1 4 5 5	2 0 4 7 5 1 0 14 5 5	2059410255	2 0 6 10 4 1 0 2 5 5	205842155	2 0 6 10 5 1 0 1 5 5	2036410254	1 0 5 6 4 1 0 2 5 4	3 0 16 5 4 5 0 3 5 4	4 0 2 7 4 5 0 6 5 4	2 0 3 6 3 **** 0 5 5 4	1 0 3 5 3 4 0 5 5 4	2 1 3 6 **** 0 5 4	1 0 5 5 **** 2 0 5 5	1 0 5 6 1 1 5 5 4	0 1 4 5 1 1 1 5 5 4	0 1 3 6 2 1 1 4 5 4	3 1 4 7 1 1 1 4 5	3 4 6 1 2 1 4 5 4	1 2 4 5 1 2 1 4 5 4	2047320554
31 MEAN	3	3	5	5	5	5	5	5	5	5	5	3	3	3	2	2	2	2	2	2	2	2	2	1	3 2.7

PERCENTAGE OF DATA VALID - 98.0 PERCENTAGE OF DATA INVALID - 1.5 PERCENTAGE OF DATA UNAVAILABLE - 0.5

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. *- INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POL	LUTANT	- 5	ULPH	UR DIO	XIDE							ı	JNITS	- 0.0	D1 PAF	RTS/MI	LLIO	N						
	STA	TION -	С	NO	33003		LAWRE	NCE/KE	NNEDY	SCAR	BOROL	JGH				MONT	гн - ғ	EB	77						
HOUR DAY	1	2	3	4	5	6	7.	В	9	10	11	12	13	14	15	16	17	18	. 19	20	21	22	23	24 M	EAN
1 2 3 4 5 6 7 8 9	1 1 4 3 2 1 1 3 13 5	1 2 4 2 2 2 1 3 10 4	1 2 4 3 1 1 1 3 9 4	1 4 3 1 1 4 6 4	1 1 4 3 1 1 1 4 8 4	1 4 3 1 1 1 3 6 4	1 1 5 3 1 1 5 5 4	1 6 3 1 1 1 1 5 3	1 1 5 3 1 2 1 4 6 3	1 4 3 1 2 1 4 8 2	1 5 3 2 3 1 5 7 2	1233221952	1 1 3 2 2 1 1 9 5 3	1 1 2 2 3 1 1 5 3	1 1 1 3 1 1 5 5	1 6 2 1 3 1 1 15 6 3	1 4 3 1 3 1 1 10 6 3	1 4 2 1 2 1 1 4 6 3	1 10 1 1 2 1 1 7 6	2 7 3 1 3 1 1 14 7 3	2 4 2 2 1 2 5 7 3	2 3 2 2 1 1 2 4 6 3	1 3 3 2 1 1 2 7 6 3	1 4 3 2 1 1 2 12 6 3	1 3 3 2 2 1 1 6 7 3
11 12 13 14 15 16 17 18 19 20	3 2 1 1 1 1 1 1 1 3 2	3 2 2 1 1 1 6 3 3	4 2 1 1 2 1 3 3	4 2 3 1 1 2 1 5 3 2	5 2 1 1 3 1 9 3	5 2 2 1 1 2 1 6 3 2	4 2 3 1 2 2 2 4 3 2	4 2 2 1 1 1 1 4 1 2	5 2 2 1 1 1 2 5 1 2	7 3 2 1 1 2 1 6 1 2	4 3 2 1 1 2 1 7 1 2	2 3 2 1 1 2 - 10 1 2	2 4 2 1 1 2 1 9 1	3 4 2 1 6 1 2	2 1 1 2 2 7 1	2 2 1 1 2 3 1 4 1 1	2 1 1 3 2 1 4 1	2 2 1 2 2 1 4 1 1	2 2 1 1 1 1 1 4 1 1 1 1	2 1 1 1 1 2 5 2	2 1 1 1 1 3 6 2 1	2 1 1 1 1 5 9 2	1 1 1 1 8 4 2	2 1 1 1 1 5 3 1 1	3 2 2 1 1 2 2 6 2 2
21 22 23 24 25 26 27 28	1 1 2 1 1 1	1 12 1 1 1 1 1 1 1	1 1 2 - 1 1	1 1 1 1	1 3 1 1 1 1 1 1	1 1 1 1	1 1 1 1 1	1 1 1 1 1 1 1	1 1 1 1 1	1 8 1 1 1 1	1 1 1 1 1 1	3 1 1 1 1 1 1 1 1	1 1 1 1 1 1	1 3 1 1 1 1 2	1 3 1 1 2 1 2	6 3 1 1 1 1 2	3 2 1 1 1 2	1 1 1 1 1	1 2 1 1 1 1 1	1 2 1 1 1 1 1 1 1 1	1 2 1 1 1 1 1	7 2 1 1 1 1	9 2 1 1 1 1 1 1 1	5 2 1 2 1 1 1	2 4 1 1 1 1 1 1 1 1
MEAN	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	3	2	2	2	2	2	2	2	2	2.3

PERCENTAGE OF DATA VALID - 98.1 PERCENTAGE OF DATA INVALID - 1.0 PERCENTAGE OF DATA UNAVAILABLE - 0.9

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEJS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNITS - 0.01 PARTS/MILLION

	PULL	UIANI		O E C FILO		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,																			
	STAT	TION	41	NO 3	3003	L	AWREN	CE/KE	NNEDY	SCAR	BOROL	GH				MONT	тн - м	AAR	77						
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 M	EAN
1 2 3 4 5 6 7 8	1 1 2 1 3 1 1 1	1 1 0 2 1 1 2 2	1 1 1 2 1	1 1 1 2 1 2 2 2	1 1 2 1 1 1 2 2 5	1 1 2 0 1 1 1 2 3 5	1 3 0 2 1 1 2 4 6	1 4 1 2 1 1 2 5	1 1 3 1 2 1 1 2 4 7	1 1 3 1 3 1 1 2 3 7	1 1 0 3 1 0 3 6	1 1 0 2 1 0 4 4 6	1 1 0 1 1 0 5 3 5	1 1 1 1 0 5 3 5	1 1 1 1 0 3 3 6	1 1 1 2 1 1 1 2 3 6	1 1 1 1 2 1 5 6	0 1 1 1 1 2 5 5	0 1 0 1 1 1 1 2 6 5	1 2 0 1 1 2 2 4 5	0 2 0 2 1 1 1 - 3 5	1 2 0 2 1 1 1 2 6	203111246	1 2 0 2 1 1 1 2 5 6	1 1 1 2 1 2 4 6
10 11 12 13 14 15 16 17 18 19	6 4 3 4 1 3 3 4 0 1	6 3 3 4 3 3 3 3 0 1	5 3 3 4 3 3 3 1	5 4 3 3 4 3 3 3 1	5 4 3 3 3 4 3 3 1 1	4 3 3 3 3 3 3 1	4 3 3 3 4 3 3 1 1	4 3 3 4 4 3 4 3 1	4 3 3 4 4 3 4 3 1	4 3 4 4 3 1 1	4 3 4 4 4 3 4 2 1	4 3 4	4 3 4 3 **** 3 4 3 1	4 3 4 3 4 3	4 3 4 3 4 3 3	5 3 4 3 4 3 4 	5 3 4 3 3 3 4 0	4 3 3 3 3 3 4 0	4933334020	4 3 4 3 3 3 4 0 2	4 3 4 1 3 3 3 0 2	4 4 5 1 3 3 4 0 1 0	4 3 5 1 3 3 4 0 1 0	4 3 5 1 3 3 4 0	4 3 4 3 3 3 4 2
21 22 23 24 25 26 27 28 29 30	0 0 0 0 0 1 1 0 0	1 0 0 0 0 0 1 1	1 0 0 1 0 0 2 0 0 0	1 0 0 0 0 0 1 0	1 0 0 0 0 1 0 0 0	100000000	1 0 0 0 0 0 0 0 0	1 0 0 0 1 0 0 0 0	1 0 0 1 1 0 0 0 0 0 0	1 0 0 0 1 0 0 0 0	1 0 0 0 0 0 0 0	200000000000000000000000000000000000000	2000010000	2 0 1 0 0 1 1 0 1 0	4 0 1 0 0 1 1 0	1 0 1 0 0 1 0	2010001000	201000000	0 0 0 0 0 0 0	001002000	001002000	00000000	0 0 0 0 1 1 1 0 0 0	1	0 0 0 0 1 0 0 0
31 MEAN	0	0 2	0 2	0 2	0 2	0	0	0 2	0	0 2	2	2	2	2	2	2	2	1	2	2	1	1	2	2	1.6

PERCENTAGE OF DATA VALID - 98.1 PERCENTAGE OF DATA INVALID - 1.1 PERCENTAGE OF DATA UNAVAILABLE - 0.8

NOTES 1. ****** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- "- " INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

UNITS - 0.01 PARTS/MILLION POLLUTANT - SULPHUR DIOXIDE MONTH - APR 77 LAWRENCE/KENNEDY SCARBOROUGH STATION - C NO 33003 20 21 17 18 19 12 14 15 16 9 10 11 HOUR 7 8 0 0 000 000000 000000 00000 : 3114 .0000 0000002214 1 2 3 4 5 6 7 8 9 10 0 1 1 0 0 0 0 2 3 1 1 3 0 0 2 2 11 12 13 14 15 16 17 18 19 20 2150011 3130110222 0 0010312 00307 20421 0 1 2 2 2 21 22 23 24 25 26 27 28 29 30 1 0 1 0 1.2 MEAN

PERCENTAGE OF DATA VALID - 94.4

PERCENTAGE OF DATA INVALID - 4.2

PERCENTAGE OF DATA UNAVAILABLE - 1.4

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ******* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNITS - 0.01 PARTS/MILLION

	STAT	TION -	C	NO 3	3003	L	AWREN	CE/KI	ENNED	Y SCA	RBORO	UGH				MON	TH - N	ИДУ	77						
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 MI	EAN
1 2 3 4 5 6 7 8 9	3 3 0 1 1 0 0 0 0	3 2 0 1 1 3 1 1 0	7 2 0 1 1 2 0 1 0 0	6 1 0 1 1 0 1 0 0	4 1 0 1 1 0 0 0	4 1 0 1 0 1 0 1	6 1 0 0 1 1 0 1 0 0	5 2 0 0 0 1 0 1	3 1 0 0 0 0	2 1 0 0 0 ****	2 1 0 **** 0 1 0	2 1 0 1	00000	2000000000	3000050000	000000000000000000000000000000000000000	200000000000000000000000000000000000000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	00000000	0 1 0 0 0 0	0 0 1 0 0 0	2 0 1 1 0 0 0 0 0 0	4 0 1 1 0 0 1 0 0 0	3 1 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0
11 12 13 14 15 16 17 18 19	0 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0 0 1 1 1 1 1 0 1	0 0 0 1 1 1 1 0 0 1	0 1 0 0 1 1 1 0 0 1	0 0 0 1 1 1 0 0 1	0 1 0 0 1 1 1 0 0	0 1 0 0 1 2 1 0 0 1	0 1 0 0 1 1 1 0 1	0 1 0 0 0 2 1 1 0 1	0 0 0 0 0 2 1 1 0 1	0 0 0 0 0 2 1 1 1 0 1	0 0 0 0 1 1 1 0 1	0 0 0 0 2 1 1 0 1	0 0 0 0 1 1 1 0 1	4 0 0 0 0 1 1 0 0 1	2 0 0 1 0 2 1 0 1 1	0 0 1 0 1 1 0	0 0 0 0 0 2 2 0 1 1	1 0 0 0 0 0 2 1 0 1 0	2 0 0 0 0 2 1 0	0 0 0 1 3 1 0 1 0	2 0 0 0 1 3 1 0 1	1 0 1 0 1 0 1 0	1 0 1 1 0 1 0	1 0 0 0 0 2 1 0 0 1
21 22 23 24 25 26 27 28 29 30	0 1 0 0 0 0 0 0 0	1 0 0 0 1 0 0 0 0 0 0 0	1 0 0 1 0 0 0	0 1 0 1 1 0 0 0 0 0 0 0	0 0 1 1 0 0 0 0 0 0 0 0	0 1 1 0 0 1 0 0	1 1 2 1 0 1 0 0 0	1 1 1 1 0 1 0 0 0	1 1 1 1 0 1 0 0	0	0	1 0 0	0	0	1 2 0 0 0	1 0 0 1 2 1 1 0 0 0	1 0 1 1 0 0 0	1 0 1 0 0 0 0	1 0 0 0 0 0 0 0	1 0 0 0 0 0 0	1 0 1 0 0 0 0 0	1 0 1 1 0 0 0 0 0	1 0 0 0 0 0 0 0	1 0 0 0 0 0 0 0 0	1 1 1 1 1 0 0 0 0 0 0 0
31 MEAN	0	0	0	0	0	1	1	1	1	0		0			1	1	0	0	0	0	1	1	0	0	0.5

PERCENTAGE OF DATA VALID - 98.1 PERCENTAGE OF DATA INVALID - 1.3 PERCENTAGE OF DATA UNAVAILABLE - 0.5

NOTES 1. "****" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. *- INDICATES DATA IS UNAVAILABLE
- 3. "***** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

UNITS - 0.01 PARTS/MILLION POLLUTANT - SULPHUR DIOXIDE MONTH - JUN 77 LAWRENCE/KENNEDY SCARBOROUGH STATION - C NO 33003 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 MEAN HOUR DAY 0 **** 0 1 0 0 1 0 0 0 0 0 0 0 0 1 1 2 3 4 5 6 7 8 9 1 0 0 1 0 0 1 0 0 0 0 000000 0 0000 000010 000100 0 00 0 0 1 0 00 1 o 0000 0 .000 0 0 0001 0 0001 000 12 13 14 15 16 17 18 000000 000000 000000 0000 0000 000 20 00 0 0 0 0 0 0 0 0 0 ...0 0 0 0 0 21 22 23 24 25 26 27 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0003 0 0 0 0 0 000 28 29 00 30 0 0.2 0 0 0 0 0 0 0 MEAN

PERCENTAGE OF DATA VALID - 93.3

PERCENTAGE OF DATA INVALID - 4.9

PERCENTAGE OF DATA UNAVAILABLE - 1.8

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LE-S THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - SULPHUR [OXIDE UNITS - 0.01 PARTS/MILLION

				300		. A LUI	•								0.		K 1 27 III								
	ST	ATION -	c	NO	33003	1	LAWRE	NCE/H	ENNED	Y SCA	RBORG	UGH				MON	тн -	JUL	77						
HOUR DAY	1	2	1	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1 2 3 4 5 6 7	000000	0 0 0	0000000	00000	0000	00000	0 0 0 0	0 0 0 0		0 0 1 0 0 0	000000	0000				000000	0000000	000000	0000000	000000	0 0 0 0 0		000000	000000	00000000
8 9 10	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0000	0	0	0	0	0
11 12 13 14 15 16 17 18 19	000000000	0 0 0 0 0 0 0 0 0	0000000000	000000000000000000000000000000000000000	00000000	000000000000000000000000000000000000000	0000.0000	0000000	0 0 0 0 0 0 0 0 0	0000400.00	000000000000000000000000000000000000000	000	000000000000000000000000000000000000000	000000000000000000000000000000000000000	0	0000.0000	0000	000000000000000000000000000000000000000	000000000000000000000000000000000000000	000000000000000000000000000000000000000			00000000	000000000000000000000000000000000000000	0 0 0 0 1 0 0
21 22 23 24 25 26 27 28 29 30	000000000000000000000000000000000000000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	. 000000000	000000000000000000000000000000000000000	000000000000000000000000000000000000000	00000	000000000000000000000000000000000000000	000000000000000000000000000000000000000	000000000	00000000	000000000000000000000000000000000000000		000000000000000000000000000000000000000	000000000000000000000000000000000000000	000000000000000000000000000000000000000	000000000	000000.00	000000000		0000		0000	000000000	000000000000000000000000000000000000000	000000000000000000000000000000000000000
31 MEAN	0	0	0	0	0		=	0	0	0	0	0	0	0	0	0	7 0	0	0	0	0	0	0	0	0.0

PERCENTAGE OF DATA VALID - 91.5 PERCENTAGE OF DATA INVALID - 6.2

PERCENTAGE OF DATA UNAVAILABLE - 2.3

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. .. INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	PO	LLUTAN	Τ-	SULP	HUR DI	OXIDE								UNITS	s - o.	01 PA	RTS/M	ILLIO	N						
	ST	TION	- с	NO	33003	3	LAWRE	NCE/K	ENNED	Y SCA	RBORO	UGH				MON	тн - ,	AUG	77						
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	. 19	20	21	22	23	24	MEAN
1 2 3 4 5 6 7 8 9	000000000	0000000000	000100000	000000000	0000000000	000000000000000000000000000000000000000	000000000	000-00000	0000000000	000100000	000000000	0000000000	0 0 0 0 0 0 0	0 0 0 0 0 0 0	000000000000000000000000000000000000000	000000000	0000000000	000000000	0000000000	000000000	000100000	0 0 0 1 0 0 0 0 0	000000000	001000000	000000000000000000000000000000000000000
11 12 13 14 15 16 17 18 19	000000000000000000000000000000000000000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	000000000	0000000000	0 0 0 0 0 0	000000000000000000000000000000000000000	000000000000000000000000000000000000000	000000000000000000000000000000000000000	000000010	000000000000000000000000000000000000000	000000000000000000000000000000000000000	0 0 0 0 0 0 0 0 1 0	00000.0000	0 0 0 0 0 0 0 0 1	000000000000000000000000000000000000000	000000000000000000000000000000000000000	0000000000	000000000	0000000000	0000000000	0 0000000000	0000000001	0 0 0 0 0 0 0 1	0 0 0 0 0 0 0 0 1	000000000000000000000000000000000000000
21 22 23 24 25 26 27 28 29 30	1 0 3 3 3 0 0 0	0 0 3 3 0 0	0 0 4 3 0 0 0	0 0 5 3 0 0 0	0 0 4 3 0 0 0 0	0 0 5 3 0 0 0	0 0 5 2 0 0 0	0 0 5 3 0 0 0	5		0 0 4 3 0 0	2000	0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 1 1 1 0 0	0 2 1 0 0 0 1D -	0 0 3 1 0 0 0 0	0 1 3 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 1 3 1 0 0	0 2 4 1 0 0 0 0 0	0 3 4 1 0 0 1	0 2 4 1 0 0 1 0 0	0 3 4 1 0 0 2	0 3 3 1 0 0 2	3 0 0 0 2	0 1 4 2 2 0 0 0 0
31 MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 0.3

PERCENTAGE OF DATA VALID - 93.5 PERCENTAGE OF DATA INVALID - 6.3

PERCENTAGE OF DATA UNAVAILABLE - 0.1

- 2. .. INDICATES DATA IS UNAVAILABLE
- 3. "***** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNITS - 0.01 PARTS/MILLION

	PULL	LUTAN	-	0.0	4. 8.																				
	STAT	ION -	C	NO 3	3003	LA	AWREN	CE/KEM	INED	Y SCAF	RBOROL	JGH				MON	rH - S	EP	77						
HOUR	1	2	3	4	5	6	7	В	9	10	1.1	12	13	14	15	16	17	18	19	20	21	22	23	24 ME	AN
DAY		_	-																						
		_			0	0	3	4	í	1	0	1	0	0	0	0	0 *	***	0	0	0	0	0	0	0
1	0	0	0	0	o	0	0	ō	ò	o	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	o	ŏ	0	0	0	0	0	0	0	0	0	0	0	0	0	0	ő
3	0	0	0	0	0	0	o	1	o	o	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
4	0	0	0	0	1	0	a	0	o	0	0	0	0	0	0	0	0	0	0	0	0	1	0		0
5	0	0	0	1		·	1	ř	ĕ	1	1	1	1	1	1	1	1	1	1	1	1	1		1	1
6	0	0	0	0	0	1	- 1	- 1			1	- 1	5	1	1	1	1	1	1		1	1	1	1	1
7	2	2	1	1	1	- 1	- 1	1	- 1		,	- 9	1	1	1	1	1	1	1	1	1	1	1	1	
8	1	1	1	1	1	1	- 1	1	1		1	6	1	1	1	1	1	1	1	1	1	1	1	1	1
9	1	1	1	1	3:	3	1	1	1		- 1	1	- 4	1	1	1	1	1	1	. 1	1	1	1	1	-1
10	1	1	3	1	1.			- 1	-1			•											_	-	
					5.0	4			-	1	1	1	1	- 1	1	1	1	2	2	2	2	2	2	3	1
11	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	1	1	1	1	2	1			2	2
12	2	2	2	2	2	2	2	*		- 1	-	1	1	1	1	1	1	1	7	~	-		1	1	- 1
13	1	1	1	1	1	3	- 2	- 1	- 1	- 4		- ;	- 1		1	1	90	-	2	2	2	2	2	1	1
14	1	1	1	1	1	- 1	- 1	1	- 1	- 1	- 1	0	- 1	1	- i	1	1	0	1	1	- 1	1	1	1	1
15	2	1	1	1	1	1	- 1	- 1	1			ĭ	- 1	1	1	1	****	1	1	1	1	1	1	1	1
16	1	1	1	1	1	1	- 1	1	- 1		****	- 1	- 1	- 1	- 1	1	1	1	1	1	1		1	1	1
17	1	1	1	. 1	1	- 1	1	2	- 1	1	- 2				- 1	- 4	1	1	1	1	1	1	1	1	1
18	1	1	1	1	1	-1	1	1	- 1	- 1	- 3			- 1	- 1		1	1	1	1	1	1	1	1	1
19	1	1	1	3.	1	-1	1	1	1	1	1		1	- 1	- 1	i	1	1	1	1	1	1	1	1	1
20	1	1	1	1.	1	-1	1	1	1	3	3.														79.7
										- 1				1	41	1	1	1	1	1	1	1	1	1	1
21	1	.1	1	1	1	- 1	- 3	1	1	- 1	- 1		- 4	1		1	1	1	1	1	2	1.	1	1	,
22	1	1		1	1	1		1	- 1	1	- 1	- 4	- 4	1	1	1	1	1	1	1	1	1	1	1	1
23	1	1	1	1	1	1	3	1	- 3	1	- 1		. 4	ò		o	0	0	0	0	0	0	0	1	1
24	1	1	1	1	1	1	1	1	- 1	1	ó	ò	o	ő	ò	0	0	0	0	0	0	0	0	0	0
25	0	1	0	0	1	0	0	0	0	0		0	0	ő	ő	ő	0	0	0	****	0	0	0	0	0
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27	0	0	0	0	0							0	0		ő	ő	0	Ö		0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0		0		ő		ő	ő	ō	0	ō	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0		0	0	0					2					2	2	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	15.00				-							
MEAN	,	1	1	-1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.7

PERCENTAGE OF DATA VALID - 95.7 PERCENTAGE OF DATA INVALID - 2.8 PERCENTAGE OF DATA UNAVAILABLE - 1.5

NOTES 1. ****** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	PC	LLUT	ANT .	SUL	HUR D	IOXID	E							UNIT	s - o	.01 PA	RTS/N	MILLIC	N						
	51	MITA	N -	C N	3300	3	LAWRE	NCE/F	ENNEDY	SCA	RBORG	UGH				MOM	тн -	OCT	77						
DAY	1	2			5	6	7	8	9	10	1.1	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1 2 3 4 5 6 7 8 9	2 3 3 4 4 5	2 3 3 4 4 5 5	4		3 3 3 3 1 3 1 4	3 3 4 4 5 5	2 3 4 4 4 5 5	2 3 3 4 4 5 5 5 5 6	2 3 3 4 4 4 5 5 6	2 3 4 4 4 5 5	2333444556	2333445556	2 3 3 4 4 4 5 5	3 3 3 **** 4 *** 5 5 5 6	3 3 3 4 4 5 5 5 6	3	3 3 3 4 4 5 5 5	3333445556	3333445566	3 3 3 4 4 5 5 6 6	3 3 4 4 4 **** 5 6 7	3 3 4 4 5 5 6 7	3 3 4 4 5 5 6 7	3 3 4 4 5 5 6 7	2 3 3 3 4 4 5 5 5 6
11 12 13 14 15 16 17 18 19	7 2 0 1 4 3 1 3 2 2	7 2 0 1 3 2 1 3 2 2		***	2 2	1 **** 2 1 1 2 2	6 2 2 2 2 1 2 3 3	6 2 1 1 3 1 1 2 3 3	7 1 1 2 1 1 2 2 2 2 2	7 2 1 1 2 1 1 2 2 2 2	7 2 0 1 2 1 1 2 2 2	0 1 2 1 1 2 2 2	0 1 1 2 1 2 2 2 2 2 2	1 1 3 2 2 2 2 1	0 1 1 3 1 5 2 2	2	1 0 1 1 3 1 2 2 2 1	0 0 1 2 3 1 2 2 2 1	1 0 1 2 3 1 2 2 2 1	1 0 1 3 2 1 2 2 2 1	1 0 2 3 2 1 2 2 2 1	1 0 2 3 2 1 2 2 2 1	1 0 1 4 2 1 3 2 2	1 0 2 4 3 1 2 2 2 1	1 2 2 1 2 2 2 2 2
21 22 23 24 25 26 27 28 29 30	2 2 1 1 2 3 3 3	2 2 1 1 2 3 2			3 3	2 1 3 3 3 2 0	2 1 2 3 4 3 3 0 0	3 3 3 0 0	2 3 1 2 3 5 4 3 0 0	2 11 1 2 4 3	2 2 1 1 2 4 3	1 1 1 3 5 2 2 0 0	1 1 1 3 4 2 2 0 0	1 1 3 3 2 2 0 0	2 1 1 3 3 3 	2 0	2 1 1 1 2 2 2 	2 1 1 2 3 2 	2 1 1 2 3 2 3 0 0	2 1 1 2 3 2 	2 2 2 3 3 3	1 2 1 2 3 3 3	2 1 1 2 3 3 3	2 1 1 2 3 3 3	2 2 1 1 3 3 3
31 MEAN	3	0			2 2	-	0	0	3	0	0	0	0	2	2		0	0	0	0	0	0	0	0	0 2.4

PERCENTAGE OF DATA VALID - 95.0 PERCENTAGE OF DATA INVALID - 4.3

PERCENTAGE OF DATA UNAVAILABLE - 0.7

- 2. *-* INDICATES DATA IS UNAVAILABLE
- 3. ******* INDICATES LEJS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

				301	ion io	UNID	-									.01 P	K 12/1	WILLIA	J.N.							
	51	ATIO	N - C	NO	33000	3	LAWR	ENCE/	KENNE	Y SC	ARBOR	DUGH				MOM	NTH -	NOV	77							
HOUR DAY	1	2		4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	0	0	0	0	0	0	c	0	0	0	0	0	0	0	0	0	0	0	0	0	0	í	1	1		n
2	1	1	1	120	****	1	1	1	1	0	0	0	0	0		0	0	ō	ŏ	1	ĭ	ò	i	- 1		•
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5	1	1	7	- 7	- 1	- 1	1	1	- 7	- 1	1	1	1	1	- 1		- 1	- 4	- 3		- 1	- 1	- 1			
6	- 1	- 4			- 4	- â	- 4	- 1	- 1	- 1	- 1	1	- 1	i	- 4	- 4	- ;	- 4	- 1	- 1	!	- 1	- 1			è
7		- 4			- 1	- 4	4	•	- 1	i	11	1	- 4	i			- 1	1	- 3	1	- 1	- 1	- 1	- !		1
8		- 4	- 1		- 1		- 4	- 4	- 1	- i	- 1		- 1	ì	- 4			- 1	1	1	1	- 1	1	- 1		1
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12	0	0		0	0	0	0	0	0	0	0	0	0	0	0	0	D	0	0	0	0	0	0	0		0
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14	0	0		0		0		2	2	1	0	0	1	1	1	2	1		****	3	4	4	3	ž		1
15	3	3	2	3	3	3	3	****	4	4	2	2	2	2	3	2	2	2	2	2	2	2	5	3		з
16	3	2	1	1	2	2	2	2	3	2	- 1	1	2	2	2	2	2	2	2	2	2	5	5	2		ž
17	3	2	2	2	1	1	2	3	4	5	- 1	1	2	2	****	****	1	ī	- 7	- 7	•		- 7	- 7		-
18	1	1	1	0	- 1	1	1	0	****	0	****	-	0	****	0	0	0	o	ò	ò	ò	- 1	ò	ò		á
19	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	ŏ	ŏ	٠	- 1	·	ŭ		
20	1	1	- 1	0	0	0	0	0	0	0	0	0	100	0	o	0	0		ő	ŏ	ò	ò	ò	ò		0
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27	0	_ 1	1	1	1			1	1	1	1		0	0	0	0	0	0	0	0	. 0	0	0	0		0
28	0	0	0	0	0	0	1	1	2	3	2	2	2		1	****	1	1	2	1	****	2	2	2		1
29	2	2	1	1	2	1	2		7 0	2	2	2	3	3	3	6	5	4	3	3	3	2	3	3		3
30	2		2	2	2	2	2	1		-	1	1	1	1	1	1	1	1	1	1	1	1	1	1		1
MEAN	1	1	1.	1	1	1	1	1	11	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	٥.	9

PERCENTAGE OF DATA VALID - 92.4 PERCENTAGE OF DATA INVALID - 6.0

PERCENTAGE OF DATA UNAVAILABLE - 1.7

NOTES 1. "**** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. "***** INDICATES LE-S THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POL	LUTAN	IT - 5	SULPH	UR DI	OXIDE								UNITS	- 0.	01 PA	RTS/M	ILLIO	N						
	STA	TION	- c	NO	33003		LAWRE	NCE/K	ENNEDY	5ÇA	RBORO	ugh				MON	TH - (DEC	77						
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23		MEAN
1 2 3 4 5 6 7 8 9	1 2 1 1 1 0 0 2	1 1 1 1 0 0 3 1	1 2 1 1 0 0 3 1 2	1 1 2 0 0 0 3 2 2	1 1 2 1 0 0 0 3 2 2	1 1 1 0 0 0 3 3 2	1 2 1 0 0 0 2 2 3	1 1 0 0 0 2 2 2	1 2 2 1 0 0 3 3 3	1 2 2 1 0 0 0 3 3 2	1 2 2 1 0 0 0 2 3 2	2 2 1 1 0 0 0 1 2 2	10000	1 0 0	2 2 1 1 0 0 0 2 2 2 2	2 2 1 1 0 0 0 2 2 2 2	2 3 1 1 0 0 1 2 3 2	2611001123	2 2 1 0 0 1 1 2 3	2 2 1 1 0 0 1 1 2 3	2 1 1 0 0 1 1 1 3	2 1 1 0 0 1 1 5	2 1 1 0 2 1 1 4	2 1 1 0 0 2 1 1 4	1 0 0 0 2 2 2 2
11 12 13 14 15 16 17 18 19 20	4 3 4 2 2 4 2 1 0 0	4 4 4 3 2 3 2 0 0 0	4 3 3 3 2 7 2 0 0	4 3 3 3 1 5 2 0	3 3 2 2 5 1 0	2 3 2 2 2 4 1 0	2 5 2 2 2 4 1 0 0 0	3 2 2 4 1 0 0 0	2 3 3 2 3 5 1 0 0 0	3 3 2 3 5 0 0 0	2 4 3 3 4 0 0	3	2 4 **** 3 4 **** 0 0	2 4 2 3 4 **** 0 0	2 4 2 3 4 4 1 0	2 6 2 3 4 3 1	2 9 3 6 3 1	3 5 2 3 5 3 1 0 0	3 5 2 4 2 1 0 0	3 6 2 2 4 3 1 0 0	3 9 2 2 4 3 1 0 0	3 8 2 2 3 3 1 0 0	4 5 2 2 4 3 1 0 0 0	3 5 2 2 4 2 1 0 0 0	3 5 3 2 3 4 1 0 0
21 22 23 24 25 26 27 28 29	0 1 0 1 0 0 0 0 0	0 0 1 1 0 0 0 0 0	0000	0 0 0 0 0 0		0000	0 0 0	0000	0 1 0 1 0 0 0 0 0	0 1 0 1	0 0 0 1	2	0000	0 1 0 1	000000000000000000000000000000000000000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 1 0 0 0 0 0 0 2 1	000000000000000000000000000000000000000	000000000000000000000000000000000000000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 1 0 0 0 1 1	0 0 0 1 1
30 31 MEAN	1 2	2 1	1 1	1	2 1 1	2	2 2	1	1 1	1	1	1	0	770	0	0	0	0	0	0	0	0	1	1	1.3

PERCENTAGE OF DATA VALID - 91.0 PERCENTAGE OF DATA INVALID - 8.3

PERCENTAGE OF DATA UNAVAILABLE - 0.7

- 2. "-" INDICATES DATA IS UNAVAILABLE
 - 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY	OF HOURLY AND 2-HOUR	LY DATA FOR 1977		
POLLUTANT - SUL	PHUR DIOXIDE		UNITS - 0.01 PARTS/MILLI	ON
STATION - C N	0 33003 LAWRENCE/	KENNEDY SCARBOROUGH		
MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	2.7	7	16
FEB	28	2.3	7	15
MAR	31	1.6	6	7
APR	29	1.2	4	12
MAY	31	0.5	3	7
JUN	28	0.2	1	5
JUL	29	0.0	1	7
AUG	29	0.3	4	В
SEP	30	0.7	2	6
OCT	30	2.4	6	11
NOV	28	0.9	3	6
DEC	28	1.3	5	9
YEAR	352	1.2	7	16

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1977

POLLUTANT -	SULPHUR D	DIOXIDE				UNITS - 0.01	PARTS/MILLION
STATION -	C NO 330	003 LAW	RENCE/KENNED	Y SCARBOROUGH			
MONTH	00 TO 04	05 TO 10	11 TO 14 1	5 TO 25 26 T	0 39	40 &OVER	TOTAL
JAN	583	141	4	t	0	0	729
FEB	585	68	5	1	0	0	659
MAR	691	39	0	0	0	0	730
APR	672	6	2	0	0	0	680
MAY	725	5	0	0	0	0	73C
JUN	671		0	0	0	0	672
JUL	680	1	0	0	0	0	681
AUG	690	6	0	0	0	0	696
SEP	687	2	0	0	0	0	689
ост	610	96	1	0	0	0	707
NOV	661	4	0	0	0	0	665
DEC	657	20	0	0	0	0	677
YEAR	7912	389	12	2	0	0	8315

FREQUENCY	DISTRIBUT	ION BY PE	RCENTILES									
	PERCENT					CONCEN	TRATIONS					
	OF DATA				FREQUENCY	DISTR	IBUTION.	PERCENT				ARITH
	VAL1D	MIN	10	30	50	70	90	95	98	99	XAM	MEAN
	94.9	0	0.0	0.0	0.2	0.9	2.8	4.0	5.3	6.3	16	1.2

POLLUTANT - SULTHUR DIGATOR

UNITS - 0.01 PARTS/MILLION

	STA	TION -	С	NO	33019	1	AET B	RANCH	SCARE	BOROUG	SH BLU	JFFS.	SCARE	ORO		MONT	гн - у	IAN	77						
HOUR	4	2	J	4	5	6	7	в	9	10	13	12	13	14	15	16	17	18	19	20	21	22	23	24 ME	AN
1 2 3 4 5 6 7 8	1 1 2 5 4 1 6 1 1	1 1 2 5 3 2 7 2 1	1 2 8 3 7 3 1	1 1 2 6 3 4 5 5	0 1 3 6 3 2 5 5 8 1	0 1 3 6 3 2 5 6 3 1	0 1 3 3 2 2 5 10 2 1	3 0 3 2 3 5 9	202324451	2162232221	2 1 8 2 2 2 1 2 3	3 1 6 2 1 2 1 2 3 1	3 0 4 2 1 3 1 3	2 0 3 2 1 3 1 3 5 1	2 1 4 2 1 1 3 5	2 2 7 2 2 4 1 5 3 1	2 7 8 1 2 5 1 6 2	2 8 5 2 7 1 3 2 1	2 10 5 2 1 8 1 6 2	2 3 5 2 1 4 1 1 3 2 1	1 3 5 2 1 4 1 5 1 1	1 3 6 2 1 4 1 3 1 2	1 2 8 2 1 5 1 3 1 2	1 2 4 3 1 5 1 3	2 4 3 2 3 5 2
11 12 13 14 15 16 17 18 19	3 4 1 6 7 1 6 2 2	1	2 10 1 22 5 1 6 2 3	1 7 1 12 5 1 5 2 3	1 4 2 10 4 1 2 2 2	1 3 2 10 4 1 2 2 2	1 4 2 10 3 1 2 2 1	1 3 2 10 2 1 1 2 1 2	1 3 12 2 1 2 2 1	1 3 4 12 7 1 1	1 4 6 10 14 1 1 1	1 3 13 9 14 1 1	1 9 8 11 1 2 5	1 2 11 8 5 1 2 2 5	1 2 3 7 3 1 2 2 3 1	1 13 7 2 1 2 2	1 16 7 2 1 2 3 1	1 1 9 8 2 1 3 3 1	1 4 8 1 1 2 3 1 2	1 1 8 2 1 3 3	1 1 1 8 1 1 3 3 1 2	1 2 7 1 2 3 3 1	2 2 2 7 1 5 2 3 1 2	2 2 3 7 1 7 2 3 2 2 2	1 3 5 9 4 1 3 2 2 2
21 22 23 24 25 26 27 28 29	3 7 8 1 1 5	8 1 1	4 1 6 11 6 1 1 17 5 2	3 1 6 11 6 2 1 17 2	3 1 6 12 6 1 7 2 2	3 1 6 13 6 1 1 9 2	3 1 7 12 6 1 1 2 2	1 1 2	1 10 10 10 1 2 3	3 1 9 8 9 1 4 3 4 2	2 1 6 8 7 1 2 3 3	2 1 5 6 7 3 1 3 2	5 1 3 6 1 5 4	8 1 3 6 4 2 1 4 2 1	4 1 5 6 6 3 1 5 2 1	2 1 4 6 4 2 1 2 2 1	3 2 5 6 3 2 1 9 3 1	2 7 8 2 1 6 3	1 2 11 7 2 2 2 3 4	1 2 7 2 2 6 2 5 1	1 2 7 1 2 13 1	5 2 3 8 1 2 19 1 5	5 5 10 1 3 16 1 4	2 5 5 10 1 3 12 1	3 6 9 5 2 4 5 3
31 MEAN	2 3	4 3	4 5	4	6 4	5 3	8	7 3	4 3	3	3	3	2 3	2 3	3	10	13	14	12 4	3	2 3	2 3	3	3	5 3.3

PERCENTAGE OF DATA VALID - 99.9

PERCENTAGE OF DATA INVALID - 0.1

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. .. INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEJS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

POLLUTANT - SULPHUR DIOXIDE UNITS - 0.01 PARTS/MILLION STATION - C NO 33019 MET BRANCH SCARBOROUGH BLUFFS. SCARBORO MONTH - FEB 77 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 MEAN 1 2 3 4 5 6 7 8 9 10 143040501 63010853 20 101281 1 0 11 6 1 15 8 1 11 12 13 14 15 16 17 18 19 7221030543 6310122432 0 020443 21 22 23 24 25 26 27 28 0320 7 10 1 0 101231 2 MEAN 2 2 3 2 3 3 3 2 2 2 2 2 2 2.3

PERCENTAGE OF DATA VALID - 99.3

PERCENTAGE OF DATA INVALID - 0.7

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE
 - 2. .. INDICATES DATA IS UNAVAILABLE
 - 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNITS - 0.01 PARTS/MILLION

	PULL	UIAN	. 3	ULFHU	e bio	4 The																			
	STAT	ION	- C	NO 3	3019	М	ET BR	ANCH	SCARB	OROUG	H BL	JFFS.	SCARE	ORO		MONT	H - N	AAR	7.7						
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	. 19	20	21	22	23	24 ME	AN
1 2 3 4 5 6 7 8 9	1 1 2 0 2 1 1 1 3 9	1 1 2 0 1 1 1 2 2 5	1 1 2 0 2 1 1 3 1 3	1 1 2 0 2 1 1 3 2 2	2 1 2 0 2 1 1 4 3 2	2 1 2 0 2 1 1 2 3 3	3 2 3 0 2 1 1 3 3 4	2 4 0 2 1 1 6 3	1 2 3 0 2 1 1 4 3 5	1 2 2 0 2 1 1 4 2 1	1 0 2 1 0 2 2 1	1 0 2 1 0 2 3 2	1 1 0 2 1 0 2 2 3	1 0 3 1 0 2 2 4	1 0 1 0 4 1 0 2 1 4	1010401324	1 0 2 0 3 5 2 5	1 0 0 3 0 1 9 2 5	0 0 2 0 1 3 2 2	1 3 0 1 2 0 1 2 1 2	1 3 0 1 2 0 1 4 3 3	1 3 0 1 2 0 0 6 10 4	1 3 0 1 2 0 0 4 2 2	1 2 0 1 2 0 5 3 2	1 1 0 2 1 1 3 3 3 3
11 12 13 14 15 16 17 18 19	4 1 0 0 1 0 2	4 1 1 2 1 1 0 1 1 2	5 1 1 1 1 1 0 1 1 2	4 1 1 1 0 0 1 1 1 2	4 1 1 2 2 1 0 1 1	3 1 1 1 1 0 0 1 1 1 2	1 1 3 1 0 0 2 4	2 1 1 3 0 1 0 2 2	3 1 1 2 1 1 0 2 2	3 2 1 2 2 1 1 0 3 2	5 3 2 3 1 1 1 0 3 2	5323211031	6 3 3 2 3 2 1 0 3	6 3 2 1 2 1 0 3	7 3 3 1 1 1 0 3	6 2 2 1 1 0 1 0 3	5 2 1 1 0 1 0 3 1	6 1 2 1 1 0 1 1 3 2	4 1 2 1 1 0 1 0 3 1	1 1 0 1 0 2 1	3 2 2 1 0 0 1 0 2 2	3 1 2 1 0 0 0 0 2	2 1 0 0 0 0 1 2	3 1 3 1 0 0 0 0	4 2 2 2 1 1 0 2 2
21 22 23 24 25 26 27 28 29 30	2 1 0 0 0 1 2 0 0 2	3 1 0 0 0 1 2 0 2	3 1 0 0 0 1 1 0 0	3 1 0 0 0 0 1 0 0 2	2 1 0 0 0 0 2 0 0 2	3 1 0 0 0 2 0 0 2	3 1 0 0 0 1 1 0 0 2	3 1 0 0 1 1 0 0 1	3 0 0 0 0 0 1 0 1 2	3 0 1 0 0 0 1 0 2 3	6 0 1 0 0 0 1 0 2 3	2 1 1 1 0 0 1 0 1 3	2 1 2 1 1 1 1 0 2 3	3 1 1 1 2 0 1 2	3 0 1 1 1 1 0 2 2	6 0 1 1 1 1 1 0 2 2	6 0 1 1 1 1 0 4 3	6 0 1 1 2 1 0 3 3 3	4 0 2 1 2 2 1 0 2 3	3 0 2 1 2 3 1 0 7 2	2010140032	2 0 1 1 1 0 0 2 2	2 0 1 0 2 1 0 0 2 1	1 0 0 0 1 1 0 0 0 2 1	3 0 1 0 1 1 1 0 2 2
31	3	3	3	- 1	1	2	2	1	1	1	2	1	1	2	3	2	2	2	2	2	1	1 2	1	1	1.5
MEAN	2	1	1	1	1	1	2	2	1	1	2	1	2	2	2	2	2	2	1	2	1	2	,		

PERCENTAGE OF DATA VALID - 99.9 PERCENTAGE OF DATA INVALID - 0.1 PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POLL	UTANT	- 51	JLPH	UR DIO	XIDE								UNITS	- 0.	O1 PA	RTS/M	ILLIO	N						
	STAT	ION -	С	NO	33019		MET E	BRANCH	SCAR	BOROUGH	H BL	JFFS,	SCAR	BORO		MON	тн -	APR	77						
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 M	EAN
1 2 3 4 5 6 7 8 9	1 0 1 1 0 0 1 1 1 2 4	1 0 1 1 0 1 1 2 5	1 1 2 1 1 0 2 1 3 3	1 1 1 1 0 2 2 2 4	1 1 1 1 0 2 2 2 4	1 1 0 2 2 2 3	2 1 1 1 1 0 4 2 3	1 1 1 1 3 0 2 5	1 1 1 1 1 1 0 1 6	0 1 1 0 1 0 1 0 1 0	0 1 1 0 1 0 1 0 2 3	0 1 1 0 1 0 1 1 2 4	0 0 1 0 0 0 1 1 1	0 0 1 0 1 1 0 0 1 1 4 4 4 4	0 0 1 0 1 1 0 2 0 5	0 0 1 0 0 3 1 4	0 0 1 0 2 0 1 2 1 4	0 1 0 1 2 1 4	0 0 1 1 2 1 1 3	0 0 2 0 1 1 1 2 2 3	0 1 2 1 1 2 2 2	0 1 2 0 1 1 2 1 3 2	0 1 2 0 0 1 1 1 3 2	0 1 0 0 1 1 2 3 2	0 1 1 0 1 0 1 1 2 4
11 12 13 14 15 16 17 18 19 20	2520011222	2 3 2 0 0 1 1 2 2 2	2 2 2 0 0 0 1 2 2 2	1 4 0 0 0 1 2 2 2	0 0 1 2 2	2 3 0 0 0 1 2 2 2	1 1 2 0 0 0 0 2 3 2	0 0 0 1 3	2 1 2 0 0 0 0 1 3 2	2 2 2 0 0 0 0 1 3 2	4 1 2 0 0 0 0 1 3 2	3 1 2 0 0 1 0 1 5 2	3 1 3 0 0 1 1 1	4 0 3 0 0 1 1 2 3 2	4 1 2 0 1 2 1 2 4	4 2 1 0 1 1 2 5	4 3 1 ••••• 2 1 1 1 3 1	5 2 1 **** 1 2 1 2 2 2	5 2 1 2 2 1 2 2 2	9 2 0 0 4 2 2 3 2 3	7 1 0 4 2 1 3 2 3	3 2 0 0 5 1 2 2 2 2 2	3 2 0 4 1 2 2 3	3 2 0 0 3 1 2 2 2 4	3 2 2 0 1 1 1 2 3 2
21 22 23 24 25 26 27 28 29	3 1 0 0 0 0 4 1 0 0	2 1 0 0 0 2 1 0 0	2 1 0 0 0 0 2 1 0 0	2 1 0 0 0 0 1 1 0 0	1 0 0 1 1	1 0 0 0 0 2 1 0 1	1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 1 1 1 1	1 1 0 0 0 0 0 1 1 1 1 1	2 1 0 0 0 0 1 1 1 0 1	2 1 0 0 0 0 1 1 0 2	2 1 0 0 0 0 2 1 0 3	3 0 0 0 0 1 1 1 3	3 1 0 0 0 0 1 1	3 1 0 0 0 0 0 1 1 1 2	2 0 0 0 0 0 1 1 1 1 1	2 0 0 0 0 0 2 1 1 1	2 0 0 0 0 1 2 1 1 2	2 0 0 0 0 1 2 1 1 1	2 0 0 0 0 3 2 1 1 2	2 0 0 0 0 3 1 3 1 1	2 0 0 0 0 2 1 3 0	1 0 0 0 1 2 1 2 0 1	0 0 0 3 2 1 0 1	2 1 0 0 0 1 2 1 0
MEAN	1	1	1	1	1	1	1	1	1	4	1	1	1	1	1	- 1	1	1	1	2	2	1	1	1	1.2

PERCENTAGE OF DATA VALID - 98.8 PERCENTAGE OF DATA INVALID - 1.3 PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNITS - 0.01 PARTS/MILLION

	STA	TION	- c	NO	33019	M	ET B	RANCH	SCAR	BOROUGE	4 BLI	JFFS.	SCAR	BORO		MON	TH -	MAY	77						
HOUR	1	2	s	4	5	6	7	8	9	10	11	12	13	1.4	15	16	17	18	19	20	21	22	23	24	MEAN
1 2 3	1 2 0	1 2 0	3 1 0	3 1 0	5 0 0	7 0 0	3 0 0	0	1 0 0	0 0	0	1 0 0	1 0 0	2 0 0	3 1 0	3 0 0	2 0	²	3 0		o	o	0	0 ••••	2 0 0
5 6 7 8 9	1 1 0 0	0 0 1	1 0 0 0	2 0 1 0	2 0 1 0 1	1 0 1	0 0 1 0 0	0 0 1 0 0	0 1 0 0	1 1 0 0	1 1 0 1			0	0 1 0 1	0 1 1 0 1 1	0 1 1 1	0 1 1 0 1	0 1 1 1	0 1 0 1 1	0 1 0 1	0 0 0 1	0 0 0 0	0 1 1 0 0 0	1 1 0 0
11 12 13 14 15 16 17 18 19	0 1 0 2 1 2 0 2 1 6	0 1 0 1 1 0 2 1 4	0 1 0 1 1 2 2 1 1 3	0 1 1 1 1 1 1 1 1 2	0 1 0 0 1 1 2	0 1 0 0 1 0 2	0 1 0 0 3 0 2	0 1 1 0 0 0 0 2 0 2	0 2 1 0 0 0 0 2 1 2	0 1 1 0 0 0 1 2 1 2	0 1 1 0 0 0 1 2 1 2	0 1 1 0 0 0 2 2 2 3	0 1 0 0 0 2 2 2 3	0 1 0 0 1 3 2 2 3	1 1 0 0 1 3 2 3 2	2 1 1 0 1 3 2 3 2	2 1 1 0 2 3 2 3 2	2 1 1 1 0 2 5 2 3	2 1 0 1 0 1 5 1 3 2	6 1 0 0 0 2 4 1 3 2	4 1 0 0 0 2 4 1 3 2	3 1 0 0 0 1 4 1 3 2	2 1 0 0 1 1 3 1 5	2 1 1 0 1 1 2 1 7	1 1 0 0 1 2 2 2 2 2
21 22 23 24 25 26 27 28 29 30	2 2 2 1 1 0 0 0 1	1 2 1 1 0 0 0	1 2 1 1 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0	1 1 2 2 0 0 1 1	1 1 2 1 0 0 0 1 1 1 0 0	1 2 3 1 0 0 1 1	1 2 2 1 0 0 1 1 0 0 0 0 0 0 0 0 0 0 0 0	1 2 1 1 0 0 1 1 0 0 0 0 0 0 0 0 0 0 0 0	1 2 2 1 1 0 1 1 0	1 2 2 1 1 0 1 1	2 2 2 1 0 2 1 0	2 2 2 2 1 0 3 1 0	3 3 2 2 1 0 4 2 0 0	7 3 2 2 2 3 1 0	6 3 2 2 1 1 2 2 0 1	5 3 2 1 1 1 2 2 0 1	3 3 1 1 1 3 2 0	3 3 1 1 1 4 1 0	4 3 3 1 1 2 2 1	3 2 3 1 1 3 2 1	3 2 2 1 1 3 2 0	3 2 2 0 0 1 1 0 1	2 2 1 0 0 0 1 1 0 0 0 1 1 0 0 0 1 1 1 0 0 0 1 1 1 0 0 0 1	2 2 2 1 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0	2 2 2 1 1 1 1 2 1 0
31 MEAN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1.1

PERCENTAGE OF DATA VALID - 90.7 PERCENTAGE OF DATA INVALID - 4.3

PERCENTAGE OF DATA UNAVAILABLE - 5.0

NOTES 1. ****** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. *-* INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POLI	UTANT	- s	ULP	UR D10	XIDE								JNITS	- 0.0	1 PAR	TS/MI	LLION	4						
	STAT	ION -	c	NO	33019	M	ET BR	ANCH	SCARE	OROUG	H BL	JFFS.	SCAR	BORO		MONT	н - 1	UN	77						
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 M	EAN
1 2 3 4 5 6	0 3 1 1 1 1 0 2	0 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0 2 0 1 1 1 1 1	0 1 0 2 1 1 1 1		0 1 1 2 1 1 0 0	0 1 1 1 2 1 1 1	0 1 1 2 1 1 1	0 1 1 2 1 0 1 2	0 1 1 2 1 0 1 1	1 1 2 1 0 1	1 2 1 0 1 1	2 1 2 1 0 1 2	2 1 2 1 1 1 2	2 1 2 3 1 1 2 1	3 1 2 3 1 1 2	4 1 2 3 1 1 5	5 1 2 3 1 1 8 1	4 0 3 1 1 8	3 0 3 1 1 7	3 0 2 3 1 0 5 1	2 1 2 3 1 0 4 1	2 2 2 2 1 2 1	3 0 1 1 2 2 2 0	2 1 2 1 2 1 1 2 1 1
9	1 2	į	1	1	1	1	i	0	ō 1	0	2	2	2	2	3	1 2	2	2	3	3	3	2	2	1	2
11 12 13 14 15 16 17 18 19	1 2 2 1 1 0 0 0 1 0	1 2 2 1 1 0 0 1 1 0	1 2 2 1 1 0 0 1 0 1	1 2 2 2 1 0 0 1	0 0 0	1 2 2 2 0 0 0 1 0 1	1 1 0 0 0 0 0 1	1 1 0 0 0 0 0 1	2 2 1 1 0 1 0 0 1	2 1 1 1 0 1 1 0 1	2 1 1 0 1 0 1 1	2 2 1 1 0 0 1 0 1 1	2 2 1 1 0 0 1 0 1 0	3 2 1 2 0 0 1 1	2 2 3 0 1 1 1 0	3 2 2 3 1 0 1 1	2 2 3 0 0 1 1 0	3 2 2 3 0 1 1 1	3 2 1 2 0 1 1 1 1	1 2 1 1 1 1 0	1 2 0 1 1 1 0	1 2 1 1 0 0 0 1 0 0	1 2 1 0 0 1 1 1	2 2 0 1 0 0 0 1 1 0	2 2 1 2 0 0 1 1 1 0
21 22 23 24 25 26 27 28 29 30	0 0 1 0 2 0 1 1 2 0	0 1 0 1 2 2 0	0 0 1 0 1 2 1 0	0	0 0	0 0 1 0 0 1 1 1 0	0 0 1 0 0 0 1 1 1 0	0 0 0 0 0 1 1 1 0	0 0 0 0 1 1 1 0	0 0 0 0 1 1 1 1 0	0 0 0 1 1 1 1 1 0	0 0 0 1 1 2 1 1	0 0 0 1 1 1 1 1 0 0	0001112100	0 0 1 1 1 3 1 0 1	0 0 1 2 1 1 3 2 0 2	0 0 0 2 1 2 2 2 0 1	0 0 1 2 1 2 2 2 0 3	0 1 1 2 1 2 2 2 0 2	0 1 0 2 1 2 1 2 0 2	0 0 0 2 0 2 1 2 0 1	0 0 2 0 2 1 2 0 1	0 0 0 4 0 1 1 2 1 0	0 0 2 0 1 1 2 1 0	0 0 1 1 1 1 2 2 1 1
MEAN	1	1	1	,	1 1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	1	1	,	1	1.0

PERCENTAGE OF DATA VALID . 99.4

PERCENTAGE OF DATA INVALID - 0.1

PERCENTAGE OF DATA UNAVAILABLE - 0.4

- 2. -- INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - SULPHUR DIOXIDE UNITS - 0.01 PARTS/MILLION

	PUL	CUTANT	- 3	ULFHU	n uru	wine.								W.19.2			en i si i ii	10010	136.						
	STA	TION -	С	NO 3	3019	M	ET BR	ANCH	SCARE	BOROUG	H BL	UFFS.	SCA	RBORO		MON	TH -	JUL	77						
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	. 19	20	21	22	23	24	MEAN
1 2 3 4 5 6 7 8 9	1 0 0 2 1 3 3 2 0	1 0 1 1 1 3 3 1 0	1 0 0 1 1 2 3 1 0 0	1 0 0 1 1 2 4 1	1 0 1 2 1 2 4 1 0 0	1 0 0 2 1 2 4 1 0 0	1 0 0 1 1 2 4 0 0 0	1 0 0 2 1 2 4 0 0 0	10001124000	1 0 0 2 1 1 4 0 1 0	1 0 0 2 1 1 3 0 1	1 0 1 2 1 2 4 1 1 0	1 0 1 2 1 2 4 1 1	1 2 2	1 0 1 3 2 2 3 1 1	1 0 1 3 2 2 3 2 2 1	1 0 1 3 3 2 3 2 2 1	1 0 1 3 3 2 3 3 1 1	1 0 1 4 3 2 3 4 1 1	1 0 1 4 3 2 3 3	1 0 1 5 3 3 1 1 1	0 0 1 3 3 3 3 1 1 1	0 0 1 2 3 3 2 1 0	0 0 2 1 3 3 2 0 0	1 0 1 2 2 2 3 1 1 0
11 12 13 14 15 16 17 18 19	0 1 2 0 2 1 2 1 3 0	0 1 1 0 1 1 2 1 3	0 1 1 0 1 1 2 1 3	0 1 1 0 2 1 3 1 4	0 1 1 0 3 1 3 0 3	0 1 1 0 3 0 2 1 2 0	0 1 1 0 3 1 2 1 3 0	0 1 1 0 2 1 2 0	1 1 2 2 2 1	0 1 1 2 1 2 2 2 1	0 1 1 2 2 2 1 2 1	1 1 0 2 2 3 2 2 2 2	1 0 1 1 3 3 3 3 2 2 2	1 1 4 3 3 2 2 2	1 4 3 3 2	1 1 2 1 3 4 3 2 1 3	2 1 2 1 2 4 3 4 1 3	2 2 1 2 4 2 4 1 3	2 2 2 1 2 4 2 4 2 3	1 2 1 2 2 4 2 3 2 2	1 2 1 2 2 3 2 2 2 2	1 2 3 2 2 1 2	1 2 1 1 3 1 2 1 2	1 1 3 1 2 1 1 1 2	1 1 2 2 2 2 2 1
21 22 23 24 25 26	0	1	0	0	0	0	0	0	0	0	0	- D/	TA U	NAVAI NAVAI NAVAI		*	0	1	1	0	0	0	0	0	1
27	*	-	0.00		*	70	-	. *	1.40		*	*	0			2	1	1	1	1	2	2	2	2	*****
28	2	2	1	1	1	1	2	1	1	1	1	1	1		2	2	2	2	2	2	2	2	2	2	2
29 30	2	1	1	1	1	1	1	1	2	2	1	1	2		1 2	2	2	2 2	2	2	1 2	1	2	1	1
30	2	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	1	1.	1	-1
31	1	1	1	1	1	1	1	1	4	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
MEAN	1.	1	1	1	1.	1	1	1	7	1	1	1	1	2	2	2	2	2	2	2	2	2	1	1	1.4
														5.0					es was				112		

PERCENTAGE OF DATA VALID - 83.9 PERCENTAGE OF DATA INVALID - 0.1 PERCENTAGE OF DATA UNAVAILABLE - 16.0

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POLL	UTANT	- SI	JLPHU	R DIOX	CIDE							3	UNITS	- 0.0	1 PAR	TS/MI	LLIO	4						
	STAT	ION -	С	NO 3	3019	м	ET BR	ANCH	SCARB	OROUG	GH BL	UFFS.	SCAR	BORO		MONT	н - д	UG	77						
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 ME	EAN
1 2 3 4 5 6 7 8 9	2 0 2 3 2 1 0 1 0 1	2 0 2 3 1 1 0 1 0 1	2 1 1 3 1 1 0 0	2 1 1 3 1 1 0 0 0 1	2 1 1 3 1 1 0 0 0 1	2 1 2 1 1 0 0	1 1 3 2 1 0 0 0 1	1 1 3 1 1 0 0 0 1	1 1 2 3 1 1 0 0 0 0	2 6 1 1 0 0 0 0	2015110000	1 0 1 3 1 1 0 0 0 0	2 0 1 3 1 1 0 0 0 0	2 0 2 3 1 1 0 0	1 1 3 2 1 1 0 0	1 1 3 3 2 1 0 0 0	1 1 2 4 4 2 1 0 1 0	1 2 2 3 4 2 1 1 1 1	2 2 4 4 2 1 1 1 1	1 2 2 4 4 2 1 1 1 1 1	3 4 4 2 1 1 0 0	3 4 4 1 1 1 0 0	1 2 3 3 4 1 1 0 0 1	1 4 2 3 0 1 0	3 2 1 0 0 0 1
11 12 13 14 15 16 17 18	1 1 4 3 1 1 1 1 1 1 1	1 4 2 1 0 1 1 1 1 1	0 1 4 2 0 0 1 1 1 1 1	0 1 3 2 0 0 1 1 1	0 1 3 2 0 1 1 1 1 2	0 1 2 2 0 1 1 1 1 1 1 1	0 1 2 2 0 0 1 1 1 1 1	1 1 2 2 0 0 0 1 1 3 1	0 1 2 1 1 1 2 1 4 1	0 1 2 2 1 0 2 1 7	0 **** 1 1 0 2 1 5	0 3 1 **** 0 2 1 3	1 1 2 0 2 1	1 1 1 1 2 1 1 1	1 1 2 1 1 1 1	1 1 3 2 1 1 2 1 2 1	1 1 3 2 1 1 2 1	1 2 3 2 1 1 2 1	1 2 3 1 1 1 2 1 2	1 2 3 1 1 1 2 1 1 1 1	1 2 2 1 1 1 2 0 1 1	1 2 2 1 1 1 2 0 1 1 1	1 2 2 1 1 1 1 0 1 2	1 2 2 1 1 1 0 1 2	1 1 3 2 1 1 2 1
21 22 23 24 25 26 27 28 29 30	2 1 1 0 0 1 1 2 2	2 1 1 0 0 0 1 3 2 1	1 0 0 0 2 2 3 1	1 0 1 0 1 0 1 2 3	1 1 0 0 0 1 2 4	1 1 0 0 0 1 2 3 0	1 0 1 0 0 0 1 2 2 0	1 0 1 0 0 0 1 2 3	0 0 1 0 0 1 2 3 1	0 0 1 0 1 3 3 1	1 0 1 1 0 0 0 1 4 3	1 0 1 1 1 3 4	1 1 0 1 0 1 3 3 0	1 1 0 1 1 2 3 1 0	1 1 1 1 1 2 4 1 0	1 1 0 1 2 3 3 1 0	2 1 1 1 2 2 4 2 1	1 1 1 1 2 2 3 1 2	1 0 0 1 2 2 4 1 1	1 1 0 1 2 3 4 2 2	1 1 0 1 2 2 3 1 1	1 0 0 1 2 2 3 1 1	1 1 0 0 1 2 2 3 1 1	1 0 0 0 1 2 3 1 1	1 1 0 1 1 2 3 2 ;
31	ĵ	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	. 1	2	1	1	2	3	3	1
MEAN	1	1	1	.1	3	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	-1	1	1	1	1.2

PERCENTAGE OF DATA VALID - 99.5 PERCENTAGE OF DATA INVALID - 0.5

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR STOXIDE

UNITS - 0.01 PARTS/MILLION

	0.2-5																20	2000							
	STA	TION	- с	NO S	3019	М	ET BR	ANCH	SCARE	BOROUG	H BL	UFFS.	SCARE	BORO		MONT	гн - 9	SEP	77						
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 M	EAN
1	3	3	2	2	2	2	2	3	5	4	3	3	2	2	2	3	2	3	2	2	2	1	2	1	2
2	1	1	1	1	2	ò	o	ò	- 1	;	:	1	1	- 1	2	1	1	2	1	1	1	0	ò	,	
3	1	0	0	0	0	ŏ	ŏ	ĭ		•	- ;	- 4	2	,	2	2	2	2	2	2	1	- 1	·	Ÿ	
4	1	1	1	1	4	3	2		- 7	- ;	;	- 4	ī	-	2	5	5	2		1	1	1	- 1	- 1	
5	2	2	2	2	7	õ	ñ			- 1	- ;	- 4	4	1	- 1	-	- 1	2	2 2	2		1	2		- 1
6	1	1	1	1	- 4	ĭ	1			ò	ó	- 4	- 4	- 1	- 1	- 4	- 4	- 1	- 2	- 1				3	
,	4	0	0	ó	0	ó	ń	ò	ò	Ö	ĭ	- 4	4	1	- 4	i	- 4		- 1	1	1	ò		- 4	ż
8	0	0	ő	ő	ŏ	ő	ŏ	ŏ	ĭ	1	ó	- 4	- 4	•	í	ż	9			0	Ü	1			Ÿ
10	0	÷	1	1	ĭ	1	ĭ	ĭ	1	î	ŏ	ò	ò	ò	ó	ō	ō	ó	Ö	ò	,	ò	ò	ò	ó
10								•	75.00					-			-	•	v		0	U	·	•	•
11	0	0	0	0	0	0	0	0	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	0	
12	ŏ	ŏ	ŏ	ŏ	1	1	1	2	1	- 1	2	2	2	1	- 1	2	1	2	2	3		÷	2	ĭ	•
13	2	2	2	2	2	9	i	- 7	1	1	1	- 1	1	1	i	1	- 1	ī	- 7	ĭ	3	÷	ī		
14	1	1	-	ĩ	ĩ	ī	o	Ó	ò	o	ó	ó	Ó	Ó	ò	0	o	Ó	ó	ó	- 4		ò	ò	ò
15	ò	ò	ò	ò	ò	ò	ō	ŏ	0	ŏ	0	ō	ō	0	o	ō	ō	ō	ŏ	ŏ	ò	ò	ŏ	ŏ	ŏ
16	ŏ	ŏ	ŏ	ŏ	ŏ	ō	o	ŏ	ŏ	ő	ō	ō	ō	ō	o	0	ō	ō	ŏ	ŏ	ŏ	ő	ŏ	ŏ	ŏ
17	ŏ	ŏ	ŏ	ŏ	ŏ	ő	ŏ	ŏ	1	ĭ	1	ĭ	1	ĭ	1	ĭ	1	ĭ	ĭ	ĭ	ŏ	ŏ	ő	ŏ	ĭ
18	ŏ	ŏ	ŏ	ĭ	o	ŏ	ŏ	ŏ	ò	ò	ò	'n	ò	ò	o	ò	ò	ò	ò	ò	ŏ	ő	ŏ	ŏ	ò
19	ŏ	ŏ	ŏ	o	ŏ	Ö	ō	ŏ	ő	ŏ	ŏ	ŏ	ŏ	ŏ	ŏ	ŏ	ŏ	ŏ	ŏ	ŏ	ŏ	ŏ	ŏ	ŏ	ŏ
20	ŏ	ŏ	ŏ	ŏ	ŏ	ō	ŏ	ŏ	ő	ŏ	ŏ	ŏ	ŏ	ŏ	ŏ	ŏ	ŏ	ŏ	ŏ	ŏ	ŏ	ŏ	ŏ	ŏ	ŏ
20		٠	•	ŭ	J		J		U	J			•			•			•	٠					
21	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	2	1	1		1	1	1	1	0	0	0	0	0
27	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	1	1	1	1	2	1	1	1	1	1	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	1	0	0	1	1	1	0	0	1	1	0	0	0	1	2	2	0
30	1	1.	1	1	2	2	2	2	2	2	2	2	2	1	1	1	1	0	0	0	0	0	0	0	1
MEAN	1	1	0	0	1	o	0	0	1	1	1	1	1	1	1	1	i	1	1	1	1	0	1	0	0.6

PERCENTAGE OF DATA VALID - 99.9 PERCENTAGE OF DATA INVALID - 0.1

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POLI	LUTANT	٠ \$	ULPH	UR DIO	IDE						t	INITS	- 0.6	DI PAR	RTS/MI	LLIO	N						
	STAT	TION -	С	NO	33019	MET	BRANCH	SCAR	BOROUG	н ВЦ	JFFS.	SCARE	BORO		MONT	fн - о	СТ	77						
HOUR DAY	1	2	3	4	5	6	7 8	9	10	11	12	13	14	15	16	17	18	, 19	20	21	22	23	24 N	IEAN
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	0 0 0 0 1 1 0 0 1 1 1 0 2 2 1 1 4 4 0 0	0 0 0 0 1 1 0 0 1 1 1 0 1 1 4 2 0 0	00001001011211420	0 0 0 0 1 1 1 1 2 1 1 3 1 0	0 0 0 0 1 1 0 2 1 1 1 3 1 0		0 0 0 0 0 0 0 0 0 0 1 1 1 1 1 0 0 0 0 1 1 1 1 2 2 2 2	0 0 0 1 5 0 0 0 1 0 2 1 2 1 3 1 0	0 0 0 3 2 1 0 0 0 1 0 2 1 2 2 3 1 1 1	000028100010 3113311	0 0 0 1 4 1 0 0 0 1 0 2 1 1 2 2 1 1	00003100110212	0 0 0 0 1 1 0 0 1 1 1 1 2 1 2	00000110001110110110110	0000121000111011311	0001110000111113311	000112000011	0001130000111	0 0 0 0 1 1 0 0 0 1 1 1 1 1 1 1 1 1 1 1	000001000011	00000110000111	000011000002	0000110001002	000011220000111111112233111
18 19 20	0	2 0 0	0	1 0	0 1 0	0	1 1 1 1 0 0	1	1	1 2	1 2	2 1 3	2 2 3	1 2	2 1 2	1 3	1 2	1	1 1	1 1 1	0 1 1	0 1 0	0	1 1 1
21 22 23 24 25 26 27 28 29	0 2 0 0 1 2 1 1 0 0	1 2 0 0 1 2 1 1 0 0	1 2 0 0 1 2 1 1 0 0	1 0 0 1 2 1 1 0 0	1 1 0 0 0 3 1 0 0 0	2 2 0 0 0 0 3 1 0 0 0 0	3 3 1 1 0 0 0 0 0 1 2 2 1 0 0 0 0 0	2 1 0 0 1 2 1 1 0	3 2 0 0 1 2 *	2 0 0 1 3 0 0	000000000000000000000000000000000000000	2 0 0 0 1 1 1 1 0 0	2 0 0 0 1 1 1 1 0 0	2 1 0 1 2 2 1 2 0 0	2 1 0 0 2 3 1 1 0 0	2 1 0 0 2 2 1 1 0 0	3 1 0 0 3 2 1 1 0 0	2 0 0 0 3 2 1 1 0 0	3 1 0 0 2 2 1 1 0 0	3 1 0 2 2 1 1 0	2 1 0 2 1 1 1 0	3 0 0 2 1 1 0 0	2 0 0 0 2 1 1 0 0	2 1 0 0 1 2 1 1 0 0 0
31	0	0	0	0	0	0	0 0	0	1	1	1	1	1	1	1	1	1	1	0	1	1	0	0	1
MEAN	1	1	1	1	1	1	1 1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.9

PERCENTAGE OF DATA VALID - 99.7 PERCENTAGE OF DATA INVALID - 0.3

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. .. INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNITS - 0.01 PARTS/MILLION

	STA	TION -	C	NO	33019	N	ET BR	RANCH	SCARE	OROUG	H BLU	JFFS.	SCAR	BORO		MON	гн - н	VOV	77						
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	. 19	20	21	22	23	24 1	MEAN
1 2 3 4 5 6 7 8 9	000000000	000000000	000000000	000000000	0000000000	00000000	000000000	000000000	000000000	0 1 0 0 0 0 0 0 0 0 0 0	1 0 0 0 0 0 0 0 0	1 1 0 0 0 0 0 0 0	1 1 0 0 0 0 0 0 0 0	1 0 0 0 0 0 1	1 1 0 0 0 0 0 0 0 0 1	1 1 0 0 0 0 0 0 1	1 0 0 0 0 0 0 0 1	0 0 0 0 0 1	0100000000	0100000000	0 0 1 0 0 0 0 0 0	0 0 1 0 0 0 0 0 0 0	0 0 1 0 0 0 0 0 0	1 0 0 0 0 0 0 0 0	000000000
11 12 13 14 15 16 17 18 19 20	0 0 0 2 3 2 1 1 1 1	0 0 2 2 2 1 1 1 1 1 1	1 0 0 2 3 2 1 1 1 1 1	0 0 2 3 2 1 1 1 1	0 0 0 2 3 2 2 2 0 1	0 0 0 2 3 2 2 1 0 0	0 0 0 2 3 2 2 1 0 0	20033322110	2 0 1 3 4 2 2 1 1 1	1 0 1 3 3 2 2 1 1 1	200221331	3 0 1 2 3 1 0 0	4 0 0 5 3 1 3 1	10055212111	1 0 0 2 2 1 2 1 1 1 1	1 0 0 2 2 1 2 1 1 1 1	1 0 0 4 1 1 2 0 1 1	0 0 0 3 1 1 2 0 1 1	0 0 1 1 2 0 1 1	0 0 1 1 2 1 2 0 1 1	0 0 1 3 2 1 2 0 1 0	0 0 1 3 2 1 1 0 1 1	0 0 1 2 2 0 1 0 1 1	0 0 1 2 2 1 1 1 1 1	1 0 0 3 2 1 2 1 1 1
21 22 23 24 25 26 27 28 29 30	1 1 3 1 2 1 1 2 2	1 1 2 1 2 1 1 2 2	1 1 0 2 1 1 1 1 2 2	1 1 0 2 1 1 1 1 2 2	1 0 2 1 1 2 1 2	1 1 0 2 2 1 1 1 2 1	2 1 0 2 1 1 1 1 1 3 1	2 1 1 2 1 4 1	2 1 1 2 2 4 1	1 2 1 0 2 3 3 1	2 1 1 1 1 1 2 3 4 1	1 1 1 1 2 2 3 5 1	1 1 1 1 1 1 2 2 4 1 1	1 1 1 1 1 2 3 1	1 1 1 1 1 2 3 1	1 1 1 1 1 1 2 4 1	1 1 1 2 1 2 3 1	1 1 1 1 2 4 1	1 2 1 1 1 1 2 3 1	1 1 1 1 1 0 2 3	1 1 1 1 0 0 3 3 1	1 1 2 1 1 0 0 3 3 0	1 1 3 1 2 1 0 3 3 0	1 0 3 1 2 1 0 2 3 0	1 1 1 1 2 3 1
MEAN	1	1	1	1	1	1	1	1		1.	1.	1	1	1	1	1	1.	1	1	1	1	1	1	1	0.9

PERCENTAGE OF DATA VALID - 99.6

PERCENTAGE OF DATA INVALID - 0.4

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEJS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

POLLUTANT - SULPHUR DIOXIDE UNITS - 0.01 PARTS/MILLION STATION - C NO 33019 MET BRANCH SCARBOROUGH BLUFFS. SCARBORO MONTH - DEC 77 HOUR 10 16 20 21 22 23 3 0 0 0 0 0 0 0 0 0 0 0 ò 0 0 1 0 0 0000 0 8 9 10 4 11 12 13 14 15 16 17 18 19 20 10 0 0 21 22 23 24 25 26 27 28 31 2 3 2 2 1.7

PERCENTAGE OF DATA VALID - 99.2

PERCENTAGE OF DATA INVALID - 0.8

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. *- INDICATES DATA IS UNAVAILABLE
- 3. ******* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1977

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION -	*	NO :	13019	MET	BRANCH	SCARBOROUGH	BLUFFS.	SCARBORO	
-----------	---	------	-------	-----	--------	-------------	---------	----------	--

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JA.	31	3.3	9	22
FEB	28	2.3	8	15
MAR	31	1.5	4	10
APR	30	1.2	4	9
MAY	28	1.1	2	7
JUN	30	1.0	2	8
JUL	25	1,4	3	5
AUG	31	1.2	3	7
SEP	30	0.6	2	5
OCT	31	0.9	3	8
NOV	30	0.9	3	5
DEC	31	1.7	4	11
YEAR	356	1.4	9	22

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

YEAR 8165 335 28

MONTHLY GROUP	FREQUENCY	DISTRIBUTI	ON FOR 19	77			
POLLUTANT - SU	LPHUR DIOX	IDE			UNI	TS - 0.0	1 PARTS/MILLION
STATION - C	NO 33019	MET BRA	NCH SCARB	DROUGH BLUF	FS. SCARBO	ORO	
MONTH OO	TO 04 05	TO 10 11	70 14 15	TO 25 26	TO 39 40	BOVER	TOTAL
JAN	558	158	21	6	0	٥	743
FEB	571	89	6	1	0	0	667
MAR	718	25	0	0	0	0	743
APR	698	13	0	0	0	0	711
MAY	664	11	0	0	0	0	675
JUN	710	6	0	0	0	0	716
JUL	623	1	0	0	0	0	624
AUG	736	4	0	0	٥	0	740
SEP	718	1	0	0	0	0	719
OC7	740	2	0	0	0	0	742
NOV	714	3	0	0	0	0	717
DEC	715	22	1	0	0	0	738

FREQUENCY	DISTRIBUT	ION BY	PERCENTILES									
	PERCENT						TRATIONS					20300
	OF DATA				FREQUENCY	DISTR	IBUTION.	PERCENT				ARITH
	VALID	MIN	10	30	50	70	90	95	98	99	MAX	MEAN
	97.4	0	0.0	0.1	0.6	1.2	2.6	3.8	6.0	7.8	22	1.4

8535

POLLUTANT - SULPHUR DIOXIDE UNITS - 0.01 PARTS/MILLION

	STA	TION	C	NO	34002	3	SC CTR	770	DON	MILLS	RD.	NORTH	YORK			MON	тн - ,	JAN	77						
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1 2 3 4 5 6 7 8 9	1 1 2 1 0 4 0 1 1	1 1 2 0 0 6 0 0 1	0 1 1 3 0 0 2 0	0 1 1 4 0 0 2 0 0 0	0 1 3 0 0 2 1 1	0 1 1 2 0 0 3 1 2	0 0 1 1 0 0 3 1 2	1 0 1 1 0 0 3 3 3 1 1	1 0 1 1 0 0 2 4 1	1 0 1 1 0 1 1 3 1	1 0 2 0 0 1 0 2 1 1	ő	0 4	1 0 2 0 1 0 3 2 1	1 0 5 0 0 1 0 2 2	1 0 2 0 0 2 0 2 0 2 1	1 2 2 0 0 3 0 1 1	1 3 4 0 0 3 0 5	1 1 3 0 0 4 0 2 1 0	1 1 0 0 2 0 1 1 0	0 1 1 0 0 2 0 1 1	1 1 0 0 6 0 1 1 0	1 0 0 9 0 1 1 1	1 1 2 1 0 8 0 1 1	1 1 2 1 0 2 1 2 1 2
11 12 13 14 15 16 17 18 19	1 2 1 3 4 1 3 1 1 1	1 2 1 5 3 1 2 1 1 1	1 1 4 3 1 2 1	1 1 4 2 1 2 1	0 2 1 4 2 1 1 1 1 1 1 1	0 1 1 4 2 1 1 1 1 1 1	0 2 1 5 2 1 1 1 0	0 2 1 5 1 1 1 1 0	0 2 1 5 1 1 1 0	0 2 1 6 1 1 1 1 0	0 2 1 6 3 1 1 1 0	1 5 4 1 1 1 1	1 1 6 2 1 1 1 2	0 1 2 6 1 1	0 0 4 1 1 1 1	0 0 4 1 1 1	0 0 8 4 1 1 1 1 0 1 1	1 0 4 4 1 1 1 1 - 0 1	1 0 3 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 0 1 1 1 1 0 1	1 0 1 4 1 1 2 1 0 1	1 1 4 1 1 2 1 0	1 0 1 4 1 2 1 1 1 1	1 0 2 4 1 2 1 1 1	0 1 2 5 2 1 1 1 1
21 22 23 24 25 26 27 28 29	1 4 3 1 1 1 1 1	2 0 2 5 3 1 1 1 1 1	2 0 2 7 3 1 1 1 1 1 1	1 6 3 1 1 1	1 0 1 5 3 1 1 8	1 0 1 5 3 1 1 9 1 1	2 0 1 6 3 1 1 8	2 0 1 7 3 1 1 1 1 2	2 0 1 7 3 1 1 1 1 1 1	1 1 2 9 3 1 1 1	1 1 2 5 3 0 2 1 1	3	1 0 10 2 4	5 0 2 3 2 2 	1 0 2 3 2 1 0	1023230111	1 2 3 1	1 3 3 0 1 1	0 1 3 4 0 1 1 2	0 1 2 4 0 1 1 0 1 1	0 1 2 4 1 1 1 0 1 1	2 1 3 6 1 1 1 1	2 2 3 4 1 2 1 0 1 1	1 2 3 4 1 2 1 1	1 1 2 5 2 1 1 1 1
31 MEAN	1	1	1	1	1	1	1	1	1	1	1	1	1 2	····	1	1	1	1	1	1	1	1	1	2	1.4

PERCENTAGE OF DATA VALID - 97.0 PERCENTAGE OF DATA INVALID - 2.4

PERCENTAGE OF DATA UNAVAILABLE - 0.5

NOTES 1. ****** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

POLLUTANT - SULPHUR DIOXIDE UNITS - 0.01 PARTS/MILLION STATION - C NO 34002 SC CTR 770 DON MILLS RD. NORTH YORK MONTH - FEB 77 20 21 22 23 HOUR 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 DAY 00 0 3 0 0 4 2 10 11 12 13 14 15 16 17 18 19 20 0000 20131 0 0 0 0000 0 0 0 0 0 4 0 1 0 0 5 1 4 00221 0 3 0 3 4 0 2 21 22 23 24 25 26 27 00000 0 0 28 0 0 MEAN 2 1.4

PERCENTAGE OF DATA VALID - 93.8

PERCENTAGE OF DATA INVALID - 5.1

PERCENTAGE OF DATA UNAVAILABLE - 1.2

- *- INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNITS - 0.01 PARTS/MILLION

	5	TATION	- (NO.	34002		SC CTR	770	DON	MILLS	RD.	NORTH	YORK	•		MON	ήτн - ј	MAR	77						
DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 1	MEAN
1	1	1	1	ī	1	1	1	i	1	1	1	0	1	1	9	1									
2	1	1	1	1	1	1	1	1	1	1	1	î	1	1	1		- 1		- 1	2			-	2	- 3
3	2	1	2	1	1	1	1		2	3	1		1	0	0	0	ö	- 1	ò	- 7	-	- 1	1	7	- 4
4	1		1	1	1	1	1	,	1	1	1	1	1	1	1	1	0	ò	ŏ	- 1	2	3	3	3	i
5	3	_	2	1	1	1	2	2	2	3	2	1		1	1	1	1	1	ĭ		7	ĭ	ĭ	ĭ	- 1
6 7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	- 1	1	1	1	i	4			i	i	i
É	1				1	1	1	1	1	1	1		0	0	1	1	1	3	î	- 1	1	1	i	1	1
9	1		1	1	1	1	1	1	1	1	2	3	3	3	1	1	1	1	1	1	-		1	î	1
10	2	2	2	2	2	1	1	2	3	3	3	2	2	2	2	2	5	5	4	2	2	2	2	2	2
	3	2	2	2	2	1	1	1	2	3	3	****	••••	2	2	2	2	1	1	ō	ō	o	0	0	1
11 12 13	0	0	0	0	0	0	0	0	1	2	2	2	2	2	3	3	3	3	2	1	1	2	2	2	1
12	0	2	1	1	1	1	16	î	2	1	1	- 1	1	- 7	2	2	2	1	ō	ò	ò	2	ő	ő	
13	0	0	1	0	1	1	1	1	0	1	2	2	1	1	î	- 7	1	- 1	ĭ	1	ĭ	ő	Ö	1	
14	0	0	1	1	1	1	0	0	1	1	0		0		o	0	0	i	ò	ó	ò	ő	ŏ	ò	ò
15 16 17 18	0		0	0	0	0	0	0	1	1	1	1		3	2	2	1	1	ŏ	1	ŏ	ĭ	1	1	ĭ
16	1	1	1	1	0	0	0	1	1	0	0	0	0	0	ō	ō	0	0	0	o	ŏ	ò	ò	ò	o
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0			0	o	0	ŏ	ŏ	1	1	1	ő
18	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	o	ŏ	o	o	i	ĭ
19	- 1	0	0	0	0	0	0	1	1	1	1	0	0	- 1	0	1	1	1	1	1	1	1	1	1	1
20		1	0	1	1	- 1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
21	!	1	1	1	1	1	1	1	2	1	2	••••	2	2	•	1	2	2	1	1	0	0	,	1	1
23	- 1		- 1		1	1	1	1	1	1	1	0	0	0	0	0	1	1	1	0	1	1	1	1	1
24		- 4	- 1	- !	- 1	- 4		1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1
24 25	- ;	- 4	- 1	- :		- 2	!	- 1	1	3.3	****	••••	1	1	1	2	1	1	1	1	1	1	1	1	1
26	- ;	4	- 2				- 1	1	- 1			- 1		1	1	1	1	1	2	2	1	1	1		1
26 27	i	- 4	- 1	- 6	1	- 1	- 1	- !	1	2	- 1	2	- 1	1	1	1	1	1	1	1	1	1	1	1	1
28	1	nê.	4	- 1		- 4	,	-	2	1	- 1		- 1	1		1	2	2	1	2	1	2	2	1	1
29		****			ò	-	7	- 1	2	2	2	2	- 4	5	- 1	1	- 1	1	- 1	1	1	1 '			1
30	1	1	1	1	ĭ	- ;	- 1	-	2	2	2	2	2	2	2	2	3	2		2	2	2	2	1	2
							- 4		•	-		4	-	- 2	2	2	3	3	2	2	2	2	2	2	2
31	3	2	2	2	2	2	2	2	2	1	2	1	1	2		0	0	0	0	0	0	0	0	0	1
MEAN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	11.	1	1	1.1

PERCENTAGE OF DATA VALID - 96.6 PERCENTAGE OF DATA INVALID - 2.6

PERCENTAGE OF DATA UNAVAILABLE - 0.8

NOTES 1. ****** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POL	LUTANT	- s	ULPH	UR DIO	KIDE								UNITS	٠ ٥.	.01 PA	RTS/N	MILLIC)N							
	STA	TION -	C	NO :	34002	s	C CTR	770	DON	MILLS	RD.	NORTH	YOR	к		MON	iTH -	APR	77							
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1 2 3 4 5 6 7 8 9 10	0 0 1 0 1 0 0 0	0 0 1 0 0 1 0 0 0	0 1 1 0 1 1 0 1	0 1 0 0 1 1 1 0 0	0 1 0 0 1 1 0 0 0	0 1 0 0 0 1 1 2 0 0	0 1 0 0 1 1 1 0 0	0 1 1 0 1 1 2 1 0	0110211100	0 1 0 0 1 0 0	0100200100	0 0 0 0 1 0 1 0 0	0 0 0 0 0 0		1 2 0 0	0 0 1 1 1 0 0	1 1 1 0 0	1 0 1 1 2 1 0 0	0 0 1 0 0 0	0 0 0 0 0 0 0 0 0	000001000	0 1 0 0 0 0	0 1 0 1 1 0 0 0	0 1 0 0 0 0 0 0	1 0 0 1 1 1 1 1 1	
11 12 13 14 15 16 17 18 19	0 0 1 1 1 0 0 2 2	0 0 1 1 1 0 0 0 2 1	0 0 1 1 0 0 1 1	0 0 0 1 0 0 1 2	0 0 0 1 1 0 0 0 1 1	0 0 1 1 0 0 0 1 1	0 0 1 1 0 0 0 1 1	0 0 1 1 0 0 0 2 2	0 0 1 1 2 0 0 0 0 3 2	0 0 1 1 2 0 0 0 2 3	0 0 1 1 1 0 0 0 2 3	0 0 1	11100022	0 1 0	1 1 0	1 0 0 3 3 3 3	0 2 1 1 2 0 0 5 2 4	0 1 1 1 0 0 2 2 3	0 1 1 2 0 0 3 1 3	0 1 1 2 0 0 2 1 3	1 1 2 0 0 2 2	0 1 1 2 0 0 2 2	0 0 0 0 2 2 2	0 1 1 1 0 0 2 2 3	0 1 1 1 1 0 0	
21 22 23 24 25 26 27	4 0	0	3 0	3	3	0	3	3 0	3	3 0	3 0	. c	ATA	3 INVAL	10 - 10 - 10 -	1	!	1	1				0		2	
28 29 30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 6 0	0	0	0	0	0	0	0	0	 0 0	
MEAN	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	Ĵ.	1	1	4	1	0.7	

PERCENTAGE OF DATA VALID - 77.6

PERCENTAGE OF DATA INVALID - 19.4

PERCENTAGE OF DATA UNAVAILABLE - 2.9

- .. INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEJS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - SULPHUR DIOXIDE UNITS - 0.01 PARTS/MILLION

																	t rack in	LLLIO							
	STA	TION .	C	NO :	34002	50	CTR	770	DON	MILLS	RD.	NORTH	YORK			MON'	TH - 1	AAY.	77						
HOUR DAY	1	2	3	4	5	6	7	8	9	10	1.1	12	13	14	15	16	17	18	19	20	21	22	23	24 M	EAN
1 2 3 4 5 6 7 8 9	0 0 0 0 1 0 0 0 0	0 0 0 0 1	0 0 0 0 0 0 0 0 0	0 0 0 0 1 0 0 0 0	0 0 0 1 0 0 0 0	0 0 0 0 1 0 0 0 0	0000010000	0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 1 0 1 0	0 0 1 0 0 0	0 0 0 0 0 0 0 0 0	0000.00000	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0	0 0 0 0 1 0 0	0 0 1 3 0 0 0 0 0	0 0 0 0 1 0 0	0 0 0 0 0 0 0	0 0 0 0 1 0 0 0 1	0 0 0 0 1	0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0
11 12 13 14 15 16 17 18 19	0 0 0 0 0 1 1 0 1	0 0 0 1 0 0 1	0 0 0 0 0 0 1 0 1	0 0 0 0 0 0 0	0 0 0 0 0 0 0 1 0 1	0 0 0 0 0 1 0 0	0 0 0 0 1 1 0 0	0 0 0 1 1 1 0 1	0 1 0 0 1 1 1 0 1	0 0 0 0 1 1 1 0 0 1	1 1 0 0 0 1 1 1 0 1	1	1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 0 0 0 1 1 1 1 1 2	2000000001111112	2000021112	2000023112	1000022112	2000021112	2 0 0 0 0 3 1 1 2 1	0 0 0 0 3 1 1 1 1 1	1 0 0 0 0 0 2 1 1 1 1 1	0 0 0 0 1 1 1 1 1 1	0 0 0 0 1 1 0 1 1	000000000000000000000000000000000000000
21 22 23 24 25 26 27 28 29 30	1 2 0 0 0 0 0 0 0	0 1 1 2 0 0 0 0 0 0 0 0	0 1 1 2 0 0 0 0 0 0 0	0 1 1 2 0 0 0 0 0 0	0 1 1 2 0 0 0 0 0	0 1 1 2 0 0 0 0 0 0 0 0	0 1 1 2 0 0 0 0 0 0 0	1 2 2 0 0 0 0 0 0	1 1 2 2 0 0 0 0 0 0	0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2 2 2 0 0 1 0 0 0	3 1 3 1 0 1 0	2 3 1 2	2 3 1 1 3 1 0 0	2221112100	2 2 3 1 0 1 2 1 0 0	3 2 3 1 1 2 1 0 0	3 2 3 1 0 1 1 0 0 0	2 2 2 1 0 3 0 0 0 0	2 2 2 0 0 2 0 0 0	2 2 2 0 0 1 0 0 0 0	1 1 2 0 0 0 0 0 0 0 0 0	1 1 0 0 0 0 0 0 0 0 0 0	1 2 2 1 0 0 1 0 0
31 MEAN	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0.5

PERCENTAGE OF DATA VALID - 98.1 PERCENTAGE OF DATA INVALID - 1.1

PERCENTAGE OF DATA UNAVAILABLE - 0.8

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

POLLUTANT - SULPHUR DIOXIDE UNITS - 0.01 PARTS/MILLION STATION - C NO 34002 SC CTR 770 DON MILLS RD. NORTH YORK MONTH - JUN 77 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 MEAN DAY 0 0 0 0 14 15 16 17 18 1 0 ò 23 24 25 26 27 MEAN 0.6

PERCENTAGE OF DATA VALID - 93.6

PERCENTAGE OF DATA INVALID - 4.9

PERCENTAGE OF DATA UNAVAILABLE - 1.5

- 2. *- INDICATES DATA IS UNAVAILABLE
- 3. ******* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - SULPHUR DIGATOE

UNITS - 0.01 PARTS/MILLION

	ST	ATION	- c	NO	34002	S	C CTR	770	DON	MILLS	RD.	NORTH	YORK			MONT	тн	1141	77						
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13		15	16	17	18	19	20	21	22	23	24 M	EAN
1 2 3 4 5 6 7 8 9	0 0 0 0 1 1 0 0 1 1 1	0 0 0 1 1 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1	0 0 0 1 1 0 0 0 1	1 0 0 0 1 1	0 0 0 1 1	0 0 0 1 1 0 0 0 1	0 0 0 0 1 1 0 0 0 1	0 0 0 1 1 0 0 0	0000	000000000			****	1 0 0 1 1 0 0 0 1 0	1 0 0 1 1 0 0 0 1 0	0001100010	0 0 0 1 1 1 1	0 0 0 1 2 0 0 1 1 0	0 0 0 3 2 0 0 1 0 0	0002200100	0 0 1 0 0	1 1 0 0 0 0 0	0 0 0 1 1 0 0 0 0	0 0 0 1 1 0 0 1 0 0	0001100000
11 12 13 14 15 16 17 18 19	0	0	0	0	0	0	0	0	0 2	2	2		DATA DATA DATA DATA DATA DATA	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		1	1 2	1 2	Ţ	1	1	1	1	1	1
21 22 23 24 25 26 27 28 29													DATA DATA DATA DATA DATA DATA DATA DATA	INVALIC INVALIC INVALIC INVALIC INVALIC INVALIC INVALIC INVALIC INVALIC INVALIC INVALIC INVALIC) -										
31													DATA	INVALIC	-										
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1	1	1	1	0	0	0	0	0.4

PERCENTAGE OF DATA VALID - 37.1 PERCENTAGE OF DATA INVALID - 62.6

PERCENTAGE OF DATA UNAVAILABLE - 0.3

NOTES 1. ****** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "." INDICATES DATA IS UNAVAILABLE

3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1977

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - C NO 34002 SC CTR 770 DON MILLS RD, NORTH YORK

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	1.4	5	10
FEB	26	1.4	4	10
MAR	31	1.1	2	
APR	23	0.7	2	5
MAY	24		2	6
max.t	31	0.5	2	4
JUN	29	0.6	2	3
JUL	12	0.4	1	3
AUG		DATA UNAVA	ILABLE	-
SEP		DATA UNAVAL	ILABLE	
OCT		DATA UNAVAI		
NOV		DATA UNAVAI		
DEC				
		DATA UNAVAI	LABLE	
YEAR	183	0.9	5	10

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

MONTHLY GROUP	FREQUENCY I	DISTRIBUTION	FOR 1977				
POLLUTANT - SU	LPHUR DIOXII	DE			UNITS	- 0.01	PARTS/MILLION
STATION - C	NO 34002	SC CTR 770	DON MILLS	RD. NORTH			1.001 37 30 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3
MONTH 00	TO 04 05 1	TO 10 11 TO	14 15 TO	25 26 TO	39 40 80	VER T	OTAL
JAN	689	33	0	0	0	0	722
FEB	600	30	0	0	0	0	630
MAR	716	3	0	0	0	0	719
APR	557	2	0	0	0	0	559
MAY	730	0	0	0	0	0	730
JUN	674	0	0	0	0	0	674
JUL	276	0	0	0	0	0	276
AUG	DATA	UNAVAILABLE					
SEP	DATA	UNAVAILABLE					
OCT	DATA	UNAVAILABLE					
NOV	DATA	UNAVAILABLE					
DEC	DATA	UNAVAILABLE					
YEAR	4242	68	0	0	o	0	4310

PALQUENCY	PERCENT OF DATA	ION BA	PERCENTILES				TRATIONS					
	VALID	WIM	10	30	FREQUENCY 50	70	90	PERCENT 95	98	99	MAX	ARITH
	84.7	0	0.0	0.0	0.2	0.7	1.7	2.4	3.7	4 9	10	

UNITS - 0.01 PARTS/MILLION

	STA	TION	- с	NO	34007	1	BATHUR	ST/WI	LSON.	NOR	TH YO	RK				MON	тн - ,	JAN	77						
HOUR DAY	1	2	3	4	5	6	7	В	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 M	EAN
1	0	0	0	0	0	0	1	2	2	2	2	2	1	2	2	2	1	1	1	1	1	1	1	ĭ	1
2	1	1	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	i	0
3	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	2	,	2	1
4	3	4	4	3	3	2	1	1	1	1	t	2	2	1	1	1	11	1	0	1	1	1	1	2	2
5	1	1	1	1	1	1	0	0	0	1	0	0	0	0	1	1	1	1	1	1	1	1	0	1	1
6	1	2	3	3	4	4	3	4	4	5	6	3	2	3	2	3	6	7	7	6	4	3	2	2	4
7	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	0	0	0	0	ō	0	0	0	0	1
8	0	0	1	1	1	3	4	6	8	8	5	2	2	2	3	4	4	2	1	1	ī	1	1	1	3
9	1	1	1	1	0	2	- 1	1	1	1	1	2	2	2	3	3	2	1	2	2	•	0	o	o	ĭ
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	ō	ō	0	ō	1	2	0
11	2	2	1	1	1	0	0	0	0	0	1	1	1	0	0	0	0		0	0	0		0	1	
12	1	2	2	2		1	2	2	2	2	2	2	2	0	1	- 1	0	0	0	o.	ō	1	1	1	
13	1	1	1	1	1	1	2	2	2	2	1	1	1	2	2		2	8	5	4	ž	1	2	2	2
14	4	4	4	3	3	3	4	4	4	4	5	6	6	4	2	5	5	5	5	6	- 6	6	6	5	5
15	6	6	4	4	4	2	2	2	2	2	2	2	2	2	2	2	2	1	ĩ	1	1	- 1	1	1	2
16	1	1	1	1	1	1	1	1	1	1	1	1	O	1	ō	0	1	1		â	- 4	ó	3	6	1
17	5	5	3	2	1	1	0	0	0	0	0	0	1	0	1	1	2	2	2	,	3	3	2	3	2
18	2	2	3	3	3	3	3	2	2	2	2	1	1	1	1		- 1			- 7	ŏ	ō	ō	ō	5
19	0	ō	1	1	0	O	0	0	0	0	0	1	3	2	0	0	0	0	0	Ö	ŏ	ō	ī	1	ō
20	0	1	1	0	0	0	0	0	0	2	0	0	٥	••••	1	1	0	0	1	Ĩ	1	ĩ	1	1	ĩ
21 22	1	2	2	1	2	2	1	1	1	1	1	1	3	11	2	1	2	1	1	0	1	3	4	2	2
22	·	2	2	1	1	1	1	1	1	2	1	1	- 1	1	1	2	1	1	1	2	2	2	3	4	2
23	3	3	3	2	2	3	4	4	3	3	2	1	1	2	3	7	9	5	5	7	9	6	6	8	4
24	6	8	9	8	8	7	7	8	9	7	7	7	8	13	4	1.1	7	6	5	4	5	4	4	4	7
25	3	3	3	3	3	3	3	3	3	3	3	2	2	2	2	2	1	1	1	1	1	1	1	1	2
26 27	1	1	1	1	1	1	0	1	0	1	1	- 1	1	7	7	3	-	9	3	3	2	2	5	2	2
27	1	1	1	1	1	2	1	0	1	0	0	1	1	1	0	0	0	0	0	0	0	1	1	2	1
28	2	2	2	2	2	3	4	5	2	2	2	3	2	2	1	0	0	0	1	0	0	0	0	0	2
29	0	0	1	1	- 10	1	1	1	1	1	1	1	1	1	0	1	0	1	1	0	1	1	1	1	1
30	1	0	0	1	1	1	2	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	0	1	0	0	1	1	1	1	1	1	1	1	1	••••	1	0	0	0	0	0	0	0	0	0	0
MEAN	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	2	2	2	2	2	1	1.	2	2	1.7

PERCENTAGE OF DATA VALID - 98.7

PERCENTAGE OF DATA INVALID - O.B

PERCENTAGE OF DATA UNAVAILABLE - 0.5

NOTES 1. "**** INCICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ******* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

POLLUTANT - SULPHUR DIOXIDE UNITS - 0.01 PARTS/MILLION STATION - C NO 34007 BATHURST/WILSON, NORTH YORK MONTH - FEB 77 HOUR 6 8 9 10 11 12 13 14 15 16 20 21 22 23 24 MEAN 1 2 3 4 5 6 7 22140 9 11 12 13 14 15 16 17 18 19 20 2 1 2 0 0 0 1 0 1 1 1 0000002310 000000000 000103110 10 21 22 23 24 25 26 27 28 0 0 020000 0 1.0

PERCENTAGE OF DATA VALID - 97.3

PERCENTAGE OF DATA INVALID - 1.8

PERCENTAGE OF DATA UNAVAILABLE - 0.9

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNITS - 0.01 PARTS/MILLION

	STA	TION	- C	NO 3	4007	В	ATHUR	ST/WI	LSON,	NORT	TH YOF	RК				MON	гн - м	MAR	77						
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1 2 3 4 5 6 7 8 9	0 0 1 1 0 0 0 0 0 2 1	0 0 0 1 0 0 3 1	0 0 1 1 0 0 0 3 1	0 0 1 1 1 1 1 1 1 1 1 3 1	0 0 1 1 0 0 0 0 3 1	0 0 1 0 0 6 2	0 0 0 0 0 0 5 2	0 0 3 0 0 1 0 1 6 2	0 0 3 0 0 1 5 2	0 0 4 0 0 1 0 1 4 3	0 1 4 0 0 1 0 1 3 16	0 1 4 0 0 1 1 2 3	0 1 5 0 0 1 1 2 3 3	9 0 0 1 1 2 3 2	0 1 3 0 0 0 1 2 2 2	0 1 2 0 0 0 2 2 2 2 2	0 1 1 0 0 1 1 1 2 1	0 1 1 0 0 0 0 1 1 1 1	0 1 1 0 0 0 0 1 1 1 1	0 1 0 0 0 0 1 2	0 1 1 0 0 0 1 - 1 2	0 0 0 0 0 0 1 3	1 1 0 0 0 0 0 2 1 3	0 1 1 0 0 0 0 0 2 1 3	0 1 2 0 0 1 3 3 3
11 12 13 14 15 16 17 18 19	3 1 0 0 0 0 0 0 0 0 0	2 2 0 0 0 0 0 0 0	2 1 0 0 0 0 0 0	2 1 1 0 1 1 0 0 1 0 0 1 0	1 1 0 0 0 1 0 0 1 0	2 1 0 0 0 1 0 0 1 0	2 1 0 0 0 1 0 0 1 0	2 1 0 1 0 0 0 0 1 1	2 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	4 1 0 1 1 1 0 0 1 0	4 2 0 1 1 0 0 1 0	1 0 0 1 1 1	3 1 1 1 0 0	3 2 1 1 0 0 0 1 0	3 1 1 1 1 1 1 0 0 0 1 0	3 1 1 1 1 0 0	3 1 0 1 1 0 0 1 1 0 0	3 1 1 1 1 0 1 1 0 1 1 1	3 1 0 0 1 0 0 0 1 1	2 1 1 0 0 0 0 0 1 1	2 1 0 1 0 0 1 1 1 1	1 1 0 0 0 0 1 1 1 1	1 1 0 0 0 0 0 0 0 1	1 0 1 0 0 0 0 0 0 1	2 1 1 0 0 0 0 0 0 1 0
21 22 23 24 25 26 27 28 29 30	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 4 2 0 1	1 1 1 1 6 1 0 1	1 1 1 1 5 1 0 1	1 1 1 1 4 1 0 1	1 1 1 1 1 4 1 0 1	0 1 1 1 1 1 4 1 0 2	0 1 1 2 1 1 3 2 0 2	1 1 2 1 1 3 2 0 2	1 1 2 1 1 2 1 1 2	1 1 2 1 2 1 8 3	1 1 1 2 1 1 2 1 9	2 1 2 2 1 1 2 1 5 13	2 1 2 2 1 4 13	2 1 1 1 1 3 1 3 5	1 1 2 2 0 3 4	1 1 1 1 0 2 2	1 1 2 1 1 0 2 2	1 1 1 2 1 1 0 0 1 1	1 1 1 1 2 4 1 0	1 1 1 1 5 1 0	1 1 1 1 4 1 0 0 0 2 1	1 1 1 2 1 1 1 1 1 1 1	1 1 1 1 3 1 ****	1 1 1 2 3 1 2 3
31 MEAN	1	0	1	1	1	0	1	0	0	1	2	2	0	2	1	0	0	0	0	0	0	0	0	0	1.0

PERCENTAGE OF DATA VALID - 98.5 PERCENTAGE OF DATA INVALID - 0.7

PERCENTAGE OF DATA UNAVAILABLE - 0.8

NOTES 1. ****** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- *- * INDICATES DATA IS UNAVAILABLE
- 3. ******* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

POLLUTANT - SULPHUR DIOXIDE UNITS - 0.01 PARTS/MILLION STATION - C NO 34007 BATHURST/WILSON, NORTH YORK MONTH - APR 77 HOUR 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 MEAN DAY 0 0 0 1 00 0 0 0 1 2 0 10 11 12 13 14 15 16 18 19 20 21 22 23 24 25 0 ... 0 ****** 26 27 28 0 0 2 0 0 0 0 30 MEAN 1 1 1 1 2 2 1 1 1.2 2

PERCENTAGE OF DATA VALID - 90.3

PERCENTAGE OF DATA INVALID - 8.3

PERCENTAGE OF DATA UNAVAILABLE - 1.4

- 2. *- " INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNITS - C.O. PARTS/MILLION

	300						-												620						
	ST	MITTON	- 0	NO	3400	7	BATHL	JRST/W	ILSON	, NOF	TH YO	RK				MON	TH -	MAY	77						
HOUR DAY	1	2	3	4	5	6	7	8	9	10	T.C	12	13	14	15	16	17	18	19	20	21	22	23	24 W	EAN
1 2	3	1	1	1	1	1	0	3	8	8	5	3	1	3	1	2	1	1	1	1	1	1	1	ţ	2
3 4 5	1 2	1 1	1	1	1 2	1	1	1 2	1 1 2	1	1	1 2	1 2	1	1 2	1 2	2 1 8	1 5	5	1 3	1 1 5	1	1 6	2 5	1 3
6 7 8	1	1	1	1	1	1	1	i	1	1 2	1 1	1	1	1	1	1	1	1	1	1	1	1	1 2 1	1	1
9 10	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0
11 12 13	00	0	0	0	0	0	0	0	1	0	0	0	0	1 1 0	5	1 0	0	0 1 0	4 1 0	1 0		1 1 0	0	ļ	1
14 15	1 2	1 2	1 2	1 2	1 2	1 2	0	0	0	0	0	0	0 0 14	0	0	0	0	0	0	0	0	0	0	0	ò
16 17 18	1	2	0 2 0	0 2 0	0 1 0	0	2	2 2 0	3 2 0	3 2 0	2	3	2	13 2 0	110	6 1 0	3 1 0	1 0	3 1 0	4 0 0	1 0	3 0 0	1 0	1 0	10
19 20	0	••••	0		••••	0	0	0	••••	••••	••••	2		••••	1	3	3	3	2	2	1	0	1	1	•••••
21 22 23	2	0	1 2 1	1 2 2	1 2 3	2	1 2 5		2 4	2 3 3	4 3	3 5 2	3 4 1	4 0	5 4 2	4 2 3	2 2	2 2	3 1 1	3 1 1	1	1	1 2	1 2	2 2
24 25 26	2 0	1	0	0	0	0	0	3	1 0	1	1	1	6 2 1	4	2	1 2	1 1 2	1	1	1	1 0	0	0	0	1
27 28 29	0 0 0	0000	0	0	0 0	0 0	0	1	1 1 0	1	1 0	1 0	1 0	1 0	1 0	1 0	1 0	1 0	1	Ö	0	0	0	0000	0
30	o	0	ŏ	0	ŏ		0	0	0	ő	1		ŏ	ŏ	0	ŏ	0	ŏ	0	Ö			ŏ	Ĩ	0
MEAN	1	1	1	1	1	,	1	1	1	1	1	1	2	2	2	1	1	,	1	1	1	1	1	Ť	1.1

PERCENTAGE OF DATA VALID - 96.1 PERCENTAGE OF DATA INVALID - 3.2 PERCENTAGE OF DATA UNAVAILABLE - 0.7

NOTES 1. "**** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. .. INDICATES DATA IS UNAVAILABLE
 - 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POL	LUTANT	× 1	SULPH	UR DIO	XIDE								JNITS	- 0.0	1 PAR	RTS/MI	LLIO	N						
	STA	TION -	C	NO	34007	6	BATHURS	ST/WI	LSON.	NORT	H Y0	RK					н - "		77						
HOUR	•	2	3	4	5	6	7	8	9	10	11	12	13	1.4	15	16	17	18	19	20	21	22	23	24 N	EAN
1 2 3 4 5 6 7	0 0 1 2 2 3 2 1	0 0 1 1 2 2 2 1	0 2 1 1 2 2 2 2 .	0 0 1 1 2 2 1	0 0 1 1 2 2 1 1	0 0 1 2 3 2 1	1 0 1 2 3 1 2	1 0 1 2 3 2 2	1 0 1 3 2 1 2 •	2 0 1 3 2 1	2 0 1 3 2 1 1	3 0 2 3 2 1	2 0 1 3 2 2	1 0 2 3 2 1	1 2 3 2 2	1 1 4 2 1 1	1 2 3 2 2 1	1 1 2 4 2 1	1 3 3 2 2 2	0 1 3 4 2 2	0 1 2 4 1 1 2	1 1 2 2 2 2	1 2 2 3 2 1	0122321	1 1 2 3 2 2
10	1 2	2	2	2	2	2	1	1	1	0	1	0	1 0	1 0	1 0	1 0	1	1	1 1	1 1	1 1 0	1 1 0	1 2 0	1 2 0	1 1
11 12 13 14 15 16 17 18 19	0 1 0 0 1 0 1 0	0 1 0 0 0 1 0 0 1 0	01000	0 1 0 1 0	0 1 0 1 1 1 2 0 0 0	0 1 0 2 1 0 0 0	0 . 0 2 1 0 1 0	0 1 0 . 0 2 1 0 1 4	0 1 0 1 1 0 1 1	0 0 1 0 1 0 1 0	0 0 1 1 1 0 1 0	0 0 0 1 1 1 0 0	0 0 0 1 1 2 1 0 0 0	0 0 1 1 1 1 0 1 1	0 0 0 1 1 2 1 0 1 1	0 0 0 1 1 1 1 1 0	0 1 0 1 1 1 1 1 1	0 1 1 1 1 0 1	0 0 1 1 1 1 0 1	0 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 0 1 0 1 0 1	0 1 1 2 1 0 1	1 0 0 0 2 1 1 1 0 1	1 0 0 0 1 1 0 0 1	0 0 0 1 1 1 1 0 0 1 1 1
21 22 23 24 25 26 27 28 29 30	1 0 2 1 1 0 1 1 1 0 0	1 1 2 0 1 1 1 1 2	1 1 0 2 1 1 1	0 1 1 0 0 1 1 0	0 1 0 1 2 1 0	1 0 1 0 1 0 1 2 1	1 0 2 0 0 0 0 2 2 1 0	0 1 2 1 0 1 1	1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 1 1 ••• 1 2 1B 1 15	1 1 9 1 2 3 8 1	1 1 1 12 1 2 7 3 1 6	1 1 5 1 2 6	1 1 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 3 1 1 6 2 1 2	1 0 1 4 1 1 3 2 0 3	1 1 4 1 1 2 2 0 3	1 1 1 4 1 2 1 2 0 3	1 0 0 4 1 2 1 1 0 3	0 1 0 3 1 1 1 0 1	0 1 0 2 1 3 1 2 0 1	0 0 0 2 0 3 1 2 0 1	0 0 0 2 1 3 1 1 0 1	1 0 0 1 1 2 1 1 0 0	1 1 3 1 1 2 3 1 3
MEAN	1	1	1	1	1	1	1	1	1	2	2	2	1	2	1	1	t	1	1	1	1	1	1	1	1.2

PERCENTAGE OF DATA VALID - 97.6 PERCENTAGE OF DATA INVALID - 0.8

PERCENTAGE OF DATA UNAVAILABLE - 1.5

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ******* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - SULPHUR DIOXIDE UNITS - 0.01 PARTS/MILLION

						200,000,000								DIATIO	4.	UI PA	R 1 37 H	TEFIO	N						
	ST	ATION	. C	NO	34007	E	BATHUR	ST/W	ILSON	, NOR	тн үс	RK				MON	TH -	JUL	77						
DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1 2 3 4 5 6 7 8 9	0 0 0 1 0 0 0 1	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 1	0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0000000000	000000000	0 0 1 1 0 0 0 1	1 0 0 0	0 0 0 0 0 1 0	0 0 1 1 0 0 1 1 0 0	0 0 1 1 0 0 0 1 0	0 0 1 2 1 0 0 1 1 0	1 0 1 2 1 0 0 1 1 1 0 0	0 0 1 1 0 0 1 1 0	0 0 1 1 1 0 1 1 0 0	0 0 0 1 1 0 0 2 1 0	0 0 1 2 1 0 0 5 1 0	0 0 2 3 1 0 0 3	0 0 2 1 0 0 2 1 0	0 0 1 1 0 0	0 0 1 1 0 0 1	0 0 0 1 0 0 1 0	0 0 1 0 0 0 1 0	0 0 1 1 0 0 1 1 0
11 12 13 14 15 16 17 18 19	0 3 4 14 1 2 1 2	0 3 5 14 1 2 2	0 3 3 6 14 1 2 2 2 1	0 4 2 6 15 1 2 2 1	0 2 7 15 1 2	0 2 8 8 1 5 1 2 1 2 2	1 2 2 9 1 2 1 2 1	1 3 2 9 - 2 2 1 2 2	3 2 10 9 1 2 2 2 2 2	3 2 10 1 2 2	2 3 2 1 2 2 3 2 1 3	3 3 2 2 2 2 2 2 4	3 4 2 12 3 2 2 5 1	3 4 13 2 3 3 3 2 5	4 0 14 3 2 3 2 6	19 2 3 2 2 5	5 20 3 3 3 2 6	5 4 0 15 3 2 3 2 8	5 3 14 1 3 2 3 2 8	4 3 0 14 2 2 2 3 2 9	4 3 0 14 2 2 2 2 7	4 3 1 13 2 2 2 1 2 7	3 3 14 2 2 2 2 7	3 3 14 1 1 2 1 2 6	2 3 2 11 6 2 2 2 2
21 22 23 24 25 26 27 28 29 30	6 0 0 1 1 0 0 2 1 2	6 0 0 1 1 0 0 4 1 1	5 0 0 1 1 0 0 2 1 1	5 0 0 1 1 0 0 2 1 2	1 0 1 2 2 2 2	3 1 0 1 1 0 0 3 3	3 1 0 1 1 0 0 3 3 2	3001000332	3001000352	3 1 0 1 0 0 0 2 8	1 1 0 0 0 3 5 2	1 1 0 0 3 3 2	1 1 1 1 1 0 0 2 3 3 2	1 1 1 0 0 3 2 2	1 2 0 0 0 2 2 2	1 1 1 0 0 2 2 3	1 1 1 0 0 2 2 3	1 1 0 0 0 2 - 2 3	2 0 0 0 3	1 1 1 0 2 1 2 2	1 1 1 1 0 - 2 2 1 1 2	1 0 1 0 0 - 2 1 1 2	0 0 0 1 0 0 2 1 1 2	0 0 0 1 0 0 2 1 1 2	2 1 1 0 0 1 2 2 2 2
31 MEAN	2	2	2	2	2	2	1	1	2	2	2	1	2	2	2	5	2	2	2	2	2	2	2	2	1.8

PERCENTAGE OF DATA VALID - 95.7 PERCENTAGE OF DATA INVALID - 2.2 PERCENTAGE OF DATA UNAVAILABLE - 2.2

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. *-* INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POL	LUTANT	- \$	SULPHU	JR DIO	XIDE							·	JNITS	. 0.0	D1 PAF	RTS/MI	LLION	l:							
	STA	TION -	С	NO 3	34007	E	BATHUR	ST/WI	LSON.	NORT	H YOR	RK.				MONT	гн - д	UG	77							
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1 2 3 4 5 6 7 8 9	2 2 2 2 1 1 2 1 1	2 1 2 1 1 1 1 1 1 1 1 1	2 1 2 1 1 1 1 2	3 2 1 2 2 1 1 1 2	2 2 1 2 2 1 1 1 1 2	2 1 4 1 1 1 2 2	2 2 1 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	3 2 2 3 1 1 1 1 2	2 2 2 3 1 1 1 1 2	2 2 3 3 2 1 1 1 1 2	3 3 3 2 2 1 1 2 1 2	2 3 3 2 1 1 2 1 2	2 3 3 2 1 1 2 2 2	2 2 3 2 2 1 1 1 2 1	3 1 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	222211122	2 2 2 0 2 2 1 3 2 1	2233221221	2 2 3 3 2 2 1 2 2 1	2 2 3 2 1 1 2 2 1	2 2 3 2 2 1 1 2 0	2 2 3 2 1 1 2 0	2 2 3 1 1 1 2 0	2 3 3 2 **** 1 1 1 1 1 1 1		2 2 2 2 1 1 1 2 1
11 12 13 14 15 16 17 18 19	0 0 0 0 0 0 0 1	0 0 1 1 0 0 0 0 0 0 0 0	000000000	0 1 0 0 0 0 1	0 1 1 0 0 0 0 0 0 0 1	0 0 1 0 0 1 0	0 1 1 0 1 0 0	1 0 1 0 0 1 0 0 1 0	0 1 1 0 0 1 1 1	1 0 1 0 0 0 0 1 0	1 1 2 1 0 1 1 0 1 1	1 2 0 0 0 1 0 5 1	1 1 0 - 1 1 8 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 0 2 1	1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 0 0 1 0	1 1 0 1 0 1 1 1	1 0 0 0 0 0 0 0 1 1	0 0 1 0 0 1 1	0 1 1 0 0 0 0 0 0 1	0 0 1 0 0 0 0 0 0		1 0 0 1 0 0 1 1
21 22 23 24 25 26 27 28 29	0020022110	1 0 2 1 0 1 2 1 1 0	0 1 1 0 2 1 1 1 0	0 0 1 1 0 2 1 0 1 0	0 1 0 1 0 1 0 0	1 1 0 1 0 1 0	0 0 0 0 2 2 1 2 0	0 0 0 1 0 2 2 1 2 0	1	1 1 2 1 1 0	0 0 1 2 1 1 0	1 1 1 0 1 1 1 0 0	1 0 1 1 2 1 1 1 0	2 0 1 1 1 2 1 1 0 0	2001302200	1 1 1 0 9 2 2 1 1	1 1 1 7 2 3 1	1 0 1 0 9 2 2 1 0 1	1 1 0 3 2 2 0 0	1 0 0 0 3 2 2 1 0 0	0 0 0 0 2 2 2 1 0 1	1 0 1 2 3 2 0 0	1 2 1 0 1 1 2 2 0 0	1 1 0 0 2 1 1 1 0 0		1 0 1 0 2 2 2 1 1 0
31	1	0	0	0	0	0	0	0	1	0	1	1	1	2	. 1	1	1	1	1	1	1	1	1	2		1
MEAN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1.	1	1.	1

PERCENTAGE OF DATA VALID - 99.1 PERCENTAGE OF DATA INVALID - 0.7 PERCENTAGE OF DATA UNAVAILABLE - 0.3

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNITS - 0.01 PARTS/MILLION

														-											
	STA	TION	- с	NO	34007	1	BATHU	RST/V	ILSON	, NOF	TH YO	RK				MON	тн -	SEP	77						
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 M	EAN
1	4	2	1	1	1	1	2	1	1	1	1	1	1	1	1	2	1		1	1	0	0	0	0	1
2	0	1	1	0	0	1	0	0	0	0	0	1	1	1						1	1	1	2	1	1
3	-1	2	1	1	2	1	1	1	1	1	2	2	2	1	2	2	2	2	2	î	2		1	1	1
4	1	1	2	1	2	2	2	2	2	2	2	2	2	2	2	2	1	1	2	1	1	1	1	1	2
5	1	1	2	2	2	2	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
6	1	1	1	2	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	1	2	2	2
7	3	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1		1	1	1	1	2
8	1	1	1	1	1	1	1	2	2		2	2	2	2	2	2	2	2	2	2		2	2	2	2
9	2	2	2	2	2	2	2	2	2			1	ī	1	- 7	1	1	- 1	- 7	ō	ō	ō	- 7	ō	- 7
10	1	0	ō	0	0	0	0	ō	ō	0	0	0	0	0	o	ò	ò	Ó	o	ŏ	ō	ŏ	0	ō	ò
11	0	0	0	0	0	0	0	0		1	0	0	0	0	0	0	О	0	0	0	0	0	0	О	0
12	0	0	a	0	0	1	1	1	2	4	3	2	1	1	1	0	0	0	0	0	0	19*		0	1
13	0	0	1		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16		0	0	0	0	0	0	0
15	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0		0	0	0	0	0	0	0	0
17	1	0	0	0	0	0	0	0	0	0	0	0	- 1	0	1	0	0	0	0	0	ō	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	1	1	1	1		1	- 1	1	1	1	1	1	1	-1	1
20	1	1	1	1	0	****	****	••••	****	****	****	••••	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	o
22	0	0	0	0	0	0	0	0	0	0		0	0			1	1	1	0		1	1	1	1	0
23	1	1	0	0	1	1	0	1	1	1	1	- 1	1	1	1		2	1	0	1	1	1	- 1	1	1
24	0	0	1	٥	0	0	0	0	0	0	0	0	0	1	0		0	0	0	0	0	0	0	0	0
25	0	0	1	0	1	0	0	0	0	0	0	0	1	0	0	0	0	1	- 1	1	1	1	1	1	0
26 27	1	1	1	1	0	0	1	0	0	0	0	1	- 1	1	1		1	1	1		1	0	0	0	1
27	0	0	0	1	0	0	0	0	17		0	1			0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	1	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0	0
29	1	0	0	1	0	1	0	1	0	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	1	1	1	1	1	1	0	0	1	1	1	0	0	0	1.	•	••••	0	0	0
MEAN	1	1	1	1	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	0	1	0	0.6

PERCENTAGE OF DATA VALID - 95.3

PERCENTAGE OF DATA INVALID - 3.6

PERCENTAGE OF DATA UNAVAILABLE - 1.1

NOTES 1. ****** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

POLLUTANT - SULPHUR DIOXIDE UNITS - 0.01 PARTS/MILLION STATION - C NO 34007 BATHURST/WILSON, NORTH YORK MONTH - OCT 77 9 10 11 12 13 14 15 16 17 HOUR 18 19 20 21 22 23 24 MEAN 2 3 4 5 6 7 8 9 0 0 0 00101 00 0 0 1 0 0 0 00001 00001 0 1 0 1 0 1 0 1 1 00 11 12 13 14 15 16 17 18 19 0034400310 21 22 23 24 25 26 27 28 29 30 1001340000 0002314 0 1 4 3 19 0 0 0 0 2 2 1 1 MEAN i 1 2 2 1 1.0

PERCENTAGE OF DATA VALID - 92.7

PERCENTAGE OF DATA INVALID - 6.6

PERCENTAGE OF DATA UNAVAILABLE - 0.7

- 2. P-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNITS . O. O1 PARTS/MILLION

	ST	ATION	. (NO.	34007	7	BATHL	IRST/V	WILSON	, NOS	TH YO	IRK				MON	NTH -	NOV	77							
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
4	1	î	11	1	1	2	2	2	2	1	1	1	1	2	1	1	1	1	,	1	1	2	2	2		1
2	1	1	- 1			2	2	3	3	2	2	2	1	1	1	1	1		2	1	2	2	2	1		2
3	1	- i			1	- î	1	1	2	2	2	2	2				1	2	2		2	2	2	2		2
4	2	2	2	2	2	2	3	2	2	2	2	2	2	3	3		3	2	3			3	2	2		2
-	2	2	2	2	2	2		1	2	- 7	- 7			3	- 3		- 4				~	3	-			-
			- 2	- 1			ò			- 1	- 1		- 1		1	- 3	- 2		- 1	- 1	1		- 2	- 1		!
0	1	1	3		1	2		0	0	1		1	1	1	1	1	1	1	1	1	1	1	1	1		1
7	0	0	0	0	0	0	0	1	0	0	0	1	0	1	0	0	0	0	0	0	- 1	0	0	0		0
В	0	0	1	0	1	0	0	0	0	0	1		0	0	0	0	****	****	****	0	0	0	0	0		0
9	0	0		/40		0	0	0	0	1	- 1	1	0	0	1	- 1	- 1	2		1	1	0	0	1		1
10	0	0	0	1	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	- 1	0	0	0	9	0
1.1	0	0	0	0	0	0	0	0	1	0	1	1	1	0	1	0	1	0		1	- 1	1	- 1	- 1		i
12	2	2	2	- 5		2	3	3	3	3	4	3	3	4	4	4	4	4	4	4	á.	5	4	5		3
13	4	5	5	2 5	2	5	3	5	5	5	4	4	4	4	7	3	3	3	3		2	3	3	3		á
14	3	3	3	2	3	3	3	4		3	3	3	2	2		0		****	****			2	2			2
15	3	2		8	7	3		****	3	4	3	2	2			3		200		2	- 1		0	0		2
	1		2			- 25			5	4		2		2	4	3	- 1	2	2	2	1	0	275	- 2		3
16	0	0	0	0	0	0	0	1	1	- 1	0	1	3	- 1	2	- 1	- 1	1	0		0	0	0	0		1
17	0	0	0	0	0	0	0	0	0	0	0	****	0	0	0	0	****	****	****	****	****	****	****	****	*****	*
18	****	****	****	****	****	****	****	****	****	****	****		****	****	****	0	- 1	0	0	0	0	0	0	- 1	*****	*
19	0	0	0	0	0	0	Ó	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	- 1	- 1		0
20	1	1	1	1	.1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2		1
21	2	2	2	2	2	4	4	3	2	****	1	1	1	1	1	1	1	1	1	1	,	1	1	0		2
22	1	1	- 1	- 1	- 1	1	1	ō	- 7	1	2	1	1		ó	ò	0	o	- 6	ò	- 1	- 1	- 1	1		1
23	- 1	- 1		- 4	- 1	0	1	ĭ	- 1	4	- 7	o	- 1	0	0	ĭ	ĭ	ĭ		·	2	2	2	2		÷
24		- 4	- 2	- 4	- 4	2	- 4	- 1	- 1	4	- 1	, i	i	Ÿ	·	- 4	- :	- 2		- 1		-	2	2		1
2.4		2	- 1						1							- 1	- 1		- 1		- 1	- 2				
25	1	2		2	2	2	3	3	3	2	2	2	2	2		- 1	1	- 3	1	- 1	1	1	1	- 1		2
26	2	1		- 3	- 1	- 1	1	1	2	2	2	2	2	3	2	3	3	2	2		2	3	3	3		2
27	3	3	3	3	3	4	4	4	4	4	3	4	5	7	5	4	4	4	4	4	4	3	4	4		4
28	4	4	4	5	4	4	4	5	4	4	5	5	5	5	4	4	4	5	4	4	****	4	5	4		4
29	4	4	4	4	4	4	5	- A.	*	5	5	5	5	5	****	****	****	****	****	****	****	****		****	*****	*
30	****		5	****	****	****	****	****	*	*	****	****	****	****	****	1	1	1	1	1	1	1	1	1	*****	*
MEAN	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	2	2	1.	6

PERCENTAGE OF DATA VALID - 90.6 PERCENTAGE OF DATA INVALID - 7.9

PERCENTAGE OF DATA UNAVAILABLE - 1.5

NOTES 1. ****** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ******* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	P	OLLUT	ANT	- S	ULPH	HUR D	OXIDE	E							UNIT	s - o.	01 PA	RTS/M	ILLIO	N						
	s	DITAT	N -	С	NO	3400	7	BATHL	IRST/W	ILSON	. NOF	TH Y	ORK				MON	тн - (DEC	77						
DAY	1	2		3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1 2 3 4 5 6	0 0 0 0 2 1 1	0		0 1 0 2 1 1	0 1 1 1 0 1	0 0 1 1 1 0 1	0 0 1 1 0 1 0	0 0 2 0 1 1	0 0 1 0 0 1 0	0 0 1 0 1 1 1	0 1 1 0 1 1	1 0 1 0 1 1	1 0 1 1 0 0	2 0 1 1 0 1	1 1 0 0	0 1 1 1 0 0	0 0 1 0 0 0	0 0 1 0 1	0 0 1 1 0 1	0 0 0 0 0 0	0 0 0 1 0 0 0	0 0 1 0 0	0 0 0 1 0 1 0	0 1 1 2 0 0	0 0 0 2 0 1 0	1 1
9	1	1		1	5 2 1	5 3 1	1	6 1 2	5 1 3	3 1 2	1 2	3 1 2	1 2	1	1	2 1	1	1	1 1 2	2 2	1 1 3	1 0 3	1 1 2	1 1 3	1 1 2	1 2
11 12 13 14 15 16 17 18 19 20	263531200	2645532100		4 6 4 6 3 4 1 1 1	4 6 4 6 3 2 1 1 0 1	4 5 4 7 3 2 1 0	5 4 5 5 4 2 1 1 1 2	5 5 4 3 2 1 0	4 7 4 4 3 2 1 1	4 5 4 4 3 2 1 0	3 4 4 3 4 2 0 0	2 5 4 4 5 3 0 1	3 5 4 4 5 4 1 0	3 5 3 6 3 0 0	2 4 4 6 3 0 1	1 9 4 3 2 0	2 7 4 3 4 2 0	2 6 5 3 3 1 0 1 1	3 6 4 3 1 2 0 0 1 1	3 6 4 3 2 2 0 0	5 4 3 1 1 0 0 2 1	5 4 4 3 1 1	5 4 3 3 1 1 0	6 4 3 2 2 0	6 3 4 3 2 1 0	4 5 4 4 3 2 1 0
21 22 23 24 25 26 27 28 29 30	2023232	212322333		4 0 3 3 2 3 3 2 3 3 2	4 2 3 2 2 3 4 3	3055555	3 1 4 3 2 2 3 2 3 3	2 1 5 2 2 2 2 3 3	2 1 5 3 1 2 3 2 3 2	1 4 3 2 2 2 4 3 2	1 1 3 3 2 2 3 2 3 1	3 3 2 2 3 2	2 1 2 5 1 2 2 2 2	2 1 2 7 2 2 3 2 3 2 3 2	1 1 2 6 2 2 2 2 3 2	1 2 4 2 2 2 2 2 3	0 1 2 4 2 2 2 2 3 2	1 1 2 4 2 2 2 2 3 1	0 1 2 3 2 2 2 3 2 2	1 1 2 3 2 3 2 3 2 2 2 2	0 1 2 3 2 3 2 1	0 1 2 3 2 2 2 2 2 2 2	0 1 2 3 2 3 2 3 2 3 2 3 2 3 2 3 2 3	0 1 2 3 2 2 2 2 3 2 3 3	1 1 2 2 2 2 2 2 2 3 2 2	1 1 3 3 2 2 2 3 3 2
31 MEAN	2	2		2	2	2	2	2	2	2	2	2	1 2	1 2	1 2	1 2	0	1 2	1 2	1 2	1 2	1 2	1 2	1 2	. 2	1.9

PERCENTAGE OF DATA VALID - 96.0 PERCENTAGE OF DATA INVALID - 3.4

PERCENTAGE OF DATA UNAVAILABLE - 0.7

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

CNIARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1977

POLLUTANT - SULPHUR DIOXIDE UNITS - 0.01 PARTS/MILLION

STATION	C N	34007	BATHURST/WILSON	, NORTH	YORK				
MONTH		NO	OF DAYS	AVERAGE	CONCENT	24 - HOUR	MAXIMUM	MAXIMUM	READING
UV			31	1	.7		7	1	3
FEB			28	1	.0		5	1	1
MAR			31	1	.0		3	1	6
APR			26	1	. 2		3	2	0
MAY			29	1	,1		4	1	4
JUN			30	1	. 2		3	1	8
JUL			31	1	.8	1	1	2	0
AUG			31	1	.1		2		9
SEP			30	0	.6		2		4.
OCT			29	1	.0		5	2	4
NOV			26	1	.6		4		8
DEC			30	1	. 9		5		9
YEAR			352	,	.3	1	1	2	4

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1977

POLLUTANT - S	ULPHUR DIOXID	E		UNITS - 0.01	PARTS/MILLION
STATION - C	NO 34007	BATHURST/WI	LSON. NORTH YORK		
MONTH D	O TO 04 05 TO	0 10 11 10 1	4 15 TO 25 26 TO	9 40 &OVER T	OTAL
JAN	671	60	з о	0 0	734
FEB	633	20	1 0	0 0	654
MAR	717	13	2 1	0 0	733
APR	630	15	4 1	0 0	650
MAY	695	17	3 0	0 0	715
JUN	689	10	2 2	0 0	703
JUL	658	35 1	3 6	0 0	712
AUG	732	5	0 0	0 0	737
SEP	686	0	0 0	0 0	686
ост	677	10	1 2	0 0	690
NOV	620	32	0 0	0 0	652
DEC	667	47	о о	0 0	714
YEAR	8075	264 2	9 12	0 0	8380

FREQUENC	Y DISTRIBUT	ION BY PE	ERCENTILES	5								
	PERCENT					CONCEN	TRATIONS					
	OF DATA				FREQUENCY	DISTR	IBUTION.	PERCENT				ARITH
	VALID	MIN	10	30	50	70	90	95	96	99	MAX	MEAN
	95.7	0	0.0	0.0	0.4	1.0	2.5	3.6	5.3	7.4	24	1.3

POLLUTANT - SULPHUR DIOXIDE UNITS - 0.01 PARTS/MILLION

														211,7		· Wi FA	tir (3/ W	TFFT	UN							
	5	TATIO	- NC	C No	3500)3	ELMO	REST	ROAD,	ETOB	ICOKE					MON	TH -	JAN	77							
DAY	R 1		2 3	3 4	5	6	7	8	9	10	11	12	1 1	3 14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	1	1	1 1	1	0		2	- 1		1																
2	1	1	1 1	1	1	2	- 7		- 4	- 1	- 1	1				2	3	- 4	3	2	2	1	1		ji.	2
3	2		1 1		2				- 1		- 1			2 1	. 1	1	2	2	2	2	2	2	2		,	-
4	2	- 2		. 2	3				1	1	2	- 2				2	2	1	1	1	1	- 1	2			2
5	1		1 1			- 4		2	2	2	2					2	1	1	1	1	- 4	- 1	- 7			2
6	o			, d	1 1	1	1	1	- 1	1	1	1	****	1	1	1	1	- 1	- 1	1	ò	o	ó			2
7	3	3					1	1	- 1	3	4	4		3	3	5	8	7	7	6	- 4	3	3			1
8	1								4	3	2		****	****	. 1	1	2	3	3	2	7	3	. 3			3
9	3							3	4	7	6	4	3	1 2	2	2	3	2	2	2						2
10	1		. 1	0	0			- 1	1	-1	1	1	1	1		2	2	2	- 1		2	2	3			2
10	1	- 1	. 1	1	- 1	1	1	1	1	1	1	1	1	2		1	- 7			2		1	1	2		1
1.1	5	5																	1	1		1	1	2		1
12	2	2		1 177				4	3	2	2	2	1	1	2	1	1	1	1		100		100	19		-
13	1	1	2	2	1	2	2	3	4	3	3	2	2	2	2	ż	2		- 1	- 1	0		- 1	1		2 2
		- 2		. 1	1	1	1	1	1	1	1	1				2	2	3	- 1	1	1	1	1	2		2
14	6	5		4	4	5	5	5	6	6	6	7				8	7		4	6	6	4	4	3		2
15	5	6	5	3	4	3	2	2	2	2	2	3						6	7	7	7	5	5	6		6
16	2	1	1	1	1	1	1	1	- 1	1	-			1		3	3	2	3	4	4	3	3	2		3
1.7	3	2	1	1	1	1			- 4		- 1	- 2			2	2	1	1	2 2	1	1	2	3	3		1
18	1	1	2	1	1	1	2		- 4	- 1	2	- 2		2	2	2	2	2	2	2	2	1	1	1		i
19	1	3	2	2	2	2	2	2	- 1	- 1		- 5			1	2	3	4	3	2	1	1	1	1		2
20	1	1	- 1	1	- 7	- 7	1		1	1	1	- 9	4	2	- 1	2	2	1	1	1	0	1	1	1		2
							,	,	4	- 1		1	1	1	2	2	2	1	2	2	2	1	2	2		1
21	3	3	2	2	3	2	2	3	3	3	3	2	2			_	_									
22	2	1	1	1	1	1	1	1	2	1		- 1			4	2	2	1	2	1	1	1	3	2		2
23	1	1	1	0	1	- 1	- 2	4	1	1		- 2		2	1	2	2	5	7	3	2	1	1	2		2
24 25 26	5	8	9	9	8	7	8	8	8	8	2	1	2	2		3	4	6	6	6	6	8	7	4		2 3 7
25	5	4	4	4	4	À	5	4	4			6	6	5	6	5	5	6	7	6	5	6	5	5		~
26	0	0	0	0	0	0	0	0		5	4	- 4	4	****		1.	1	1	1	0	0	0	0	ő		2
27	1	1	- 4	o	ő	0		- 2	0	0	0	0	1	1	1.	2	1	1	2	2	3	6	3	2		?
28	****		****	****			0	0	. 1	1	1	- 1	0	0	1	1	1	1	****							
29	3	3					****	****	****	****	****	****	****		2	2	3	2	3	3	2	2	2	****	12/2/17/17	1
30	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3			2		-
30	*	- 2	2	3	3	3	3	3	3	3	3	2	3	3	3	2	3	3	3	3	3	3	3	3		3
31	3	3	2	-			-	- 2						_		-			3	3	3	3	2	3		3
90.7	3	3	2	3	3	3	3	3	3	3	3		2	2	2	2	2	2	2	2	2	1	2			_
MEAN	2	2	2				-								_	_			-	*	2	1	2	1		2
	*	2	- 2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	2	2	2	2	2.	2

PERCENTAGE OF DATA VALID - 96.1 PERCENTAGE OF DATA INVALID - 3.9

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. ****** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. *- " INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEJS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POL	LUTANT	- 5	ULPH	UR DIO	XIDI	E							UNIT	s - o	.01 P	ARTS/N	MILLIO	N						
	STA	TION -	С	NO	35003		ELMCRE	ST RO	DAD,	ETOBIC	OKE						NTH -		77						
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15			18	19	20	21	22	23	24 N	EAN
1 2 3 4 5 6 7 8 9	1 0 4 1 1 2 3 1 5 3	1 0 4 1 1 1 4 2 5	1 0 4 2 1 2 2 2 5 2	1 0 5 1 1 2 2 1 5	1 1 4 1 1 3 4 1 5 1	1 1 3 3 1 5 1	2 1 3 1 0 3 3 1 5 1	2 0 3 1 1 3 2 1 5 0	2 0 3 1 1 4 2 1 5 0	1032042250	1 1 3 2 1 2 2 2 5 0	1 1 3 1 1 1 2 2 5 0	***** 1 3 **** 1 2 2 2 5	1 3 1 1 2 2 2 5	0 1 2 1 2 2 2 2 2 5 2	0 2 1 1 2 2 2 2 **** 5 4	1 1 1 1 3 2	3 3 3 1	2 2 2 0 5 4 4 5 3 1	1 3 1 0 3 3 2 4 3 1	1 2 1 4 3 2 3 3 3	0 3 1 1 4 3 2 4 3	0 3 1 1 3 3 1 4 3 1	0 3 1 1 3 4 1 4 2 2	1 1 3 1 2 3 2 2 4
11 12 13 14 15 16 17 18 19	1 1 3 1 0 2 1 2 3 2	1 5 1 0 1 1 2 3 3 2	0 0 3 1 0 1 1 2 2 3	1 0 2 1 1 1 2 2 3	2 0 1 1 1 1 2 2 4	2 0 1 1 1 1 3 2 3	2 0 1 1 1 1 1 4 2 3	1 0 1 1 1 1 4 2 2	201111712	2 0 1 1 1 2 1 9 1	1 1 1 2 1 9 1 2	1 1 1 1 1 1 1 1 1 1 1 2	2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		3	2 1 1 2 1 2 9 1 2	2112221912	1 2 1 1 2 3 1 8 1 2	1 1 2 3 2 1 7 2 2	1 1 1 4 2 2 7 2 2	0101322622	0 1 0 0 3 1 2 4 2 1	0 1 0 1 3 1 1 3 2 1	0 2 1 0 4 1 1 3 2 2	1 1 1 2 1 1 6 2 2
21 22 23 24 25 26 27 28	1 2 2 1 1 1	1 2 2 2 1 1 1 1 1 1	1 3 2 2 1 1 1 1 1	1 3 2 2 1 1	2 2 2 1 2 1 1	2 2 2 1 1 2 1	2 2 2 1 2 1 1	1 3 2 2 2 1 1 1	1 3 2 2 1 1 1 1	1 3 2 2 1 1 1	1 3 1 2 1 1 1	1 4 1 2 1 1 1 1 1	1 2 1 1 1 1	1 1 1 1 1 1	7 3 1 1 1 1 1	3 3 1 2 1 1	2 3 1 1 1 1 2 1	2 3 1 1 1 1 1 1 1 1 1 1	2 2 1 1 1 1 1 1 1 1	1 2 1 1 1 1 1 1 1	1 2 1 1 1 1 1 1 1 1	1 2 1 1 1 1 1 1 1 1	1 2 1 1 1 1 1 1 1	1 2 1 1 1 1 1 1 1 1	2 3 1 2 1 1 1 1 1
MEAN	2	2	2	2	2	2	2	2	2	2	2	-1	2	2	2	2	2	2	2	2	2	2	2	2	1.8

PERCENTAGE OF DATA VALID - 97.6 PERCENTAGE OF DATA INVALID - 2.4

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- *- * INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNITS - 0.01 PARTS/MILLION

														W. 11 A . 1	9 0	.01 1	AR 13/1	MILLET	UN							
	S	TATION	· - c	NO	35003	i .	ELMCR	REST	ROAD,	ЕТОВ	I COKE					MON	NTH -	MAR	77							
HOUR Day	1	2	3	4	5	6	7	8	9	10	1.1	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	1		1	1	1	1	,	1	1	1	1	1	1	••••		1	4		1	٥						
2	1	1.	1	1	2	1	1	1	1	1	1	1	1	1	1	1	- 1		2	2	0	2	2			
3		2	1	1	1	1	1	1	1	1	1	1	1	1	1							2		1		Į.
4	****	****			****		****									0	0					****	••••	••••	*****	•
5	,	1	1	1	1	1	1		1	1		1	1	1		1	ĭ	ĭ		- 1	- 3	0	0	1	*****	•
6	1	2	1	1	1	1	1	1	1	1	1	1	1	1	- 1	- ;	- 4	- 1		!	- 1	1		1	1	1
7	1	1	- 1	1	1	1	1	1	1	1	1	1	1	1	2	2	2			- 1	- 1	- 1	1	1	1	1
8	0	0	1	1	0	0	0	1	,	1	1	2	1		5	2	5	2	1	1	- 1	- 1	0	0		f .
9	2	2	2	3	3	4	3	4	3	3	2	- 5	9	2	2	2		- 2	2		. 1	1	2	2		1
10	2	1	1	1	1	1	1	1	2	2	2					2		2	2	2	2	2	2	2		2
									•	_	_						• • • • •		****	****					*****	
11	****	1	1	1	0	٥	0	0	2	3	4	4	4				•		-							
12	1	- 1	0	0	0		o	ō	1	2	3	3		2	4	7	•	3	2		1	1	1	0	2	
13	0	0	0	0	0	0	0	o	ò	ō	ň	,	•		- 2	2	- 1	- 4	0	- 5	0	0	0	0		1
14	0	0	0	0	o	0 0 0	0000	0	0	ŏ	1			- :	1				1		1	1	0	0)
15	0	0	ō	0	ō	ō	ō	ň	ŏ	·	à		5	****	1	_1	1	1	0		0	0	0	0	C	3
16	0	0	ō	ō	ŏ	ŏ	ŏ	ŏ	ĭ	- 1	- 7		õ		3	23	6	3	2		1	1	1	1	2	2
17	1	1	- 1	1	Ť	7	~	ĭ	i	- 1	- 2	- 3		0	- 8	1	0	1	0		- 1	0	0	1	C	5
18	2	1	•	1	•		- 1		- 1	ò	ò		0	1	,	1	1	1	1		1	1	2	3		i .
19	ō	o	ò	o	ò	ó	ċ	ò	- 1	·	·	Ö	0	0	0	0	0	0	0	0	0	0	0	0		5
20	5	4	4	4	4	3	3	3	2	2	,				1	1	4	4	4	2	2	3	4	4		i
			-	-	-	•	3	3	2	2	2	1		1	1	1	1	1	1	1	1	2	1	1	2	2
21		1	1	1	1	1	1	1		2	2	2	3	2	2	3	3	2		1	0	٥	0	٥		
22	- 3	0	0	0		1	1	1	1	1	1	0		1	1	1	1	- 7	- 1	ó	·	٠	ĭ		- 2	
24	- 1		1	1	1	1	1	1		1	1	1	1	1	1	1	1	٠	2			1	- :	- 1		13
	- 3	•	1	- 1	1	- 1	2	2	2	3	2	2	1	1	1	1	1	- 7	1		ò	ò	ó	- 1		
25	- 1	1	1	1	0	0	0	0	0							1	1	- 2				1	·	- 1	3	13
26 27	- 1	1	1	- 1	1	1	0	0	0	1	1		1	1	1	1	1	2	2	2	1		2			
27	2	1	1	1	1	0	1	2	3	3	2	3	4	3	3	,	2	2	1		- 3	- 1	- 1	0		
28	1	0	0	1	1	1	1	1	1	1	1	1	1	1	- 7	- 7	ō	ō	·	- 1	1		1	·	2	
29	0	0	0	1	1	0	0	0	0	1	2	2	3	****	à	,	2		,	0				- 1	,	1
30	0	0	0	0	0	0	0	1	1	2	2	3	4	3	2	- 7	- 1		- 4		1	- 1	- !	- 1	1	
31			,		0	0	0	0				-		-	_	110			,		1	1		- 1	,	J
					U	U	U	U	0	1	1	0	- 1	1	. 1	1	1	1	1	1	1	1	1	1	1	1
MEAN	1	1	1	1	1	1	1	3	1	1	1	1	2	1	1	2	1	-1	1	,	1	,	1	1	1.1	

PERCENTAGE OF DATA VALID - 93.3 PERCENTAGE OF DATA INVALID - 6.7

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. ****** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. -- INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT . AIR RESORCES BRANCH

	POL	LUTAN	T - 9	ULPHI	UR DIO	XIDE								UNIT	s - o	.01 P	ARTS/	MILLIC	ON.						
	STA	TION	- с	NO :	35003	1	ELMCRE	ST R	OAD,	ETOBICO	KE						ήτн -		77						
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15		17		19	20	21	22	23	24	MEAN
1 2 3 4 5 6 7	1 0 0 0 1 0 0	0 0 0 1 0 0	0 1 0 0 0 1 0 0	0 2 1 0 0 1 0 0	0 2 1 0 0 1 0 0	01100101	0 1 1 0 0 2 0	0 2 1 1 0 1 0	0 2 1 0 0 1 2	1 2 1 1 0 1 2	2 1 1 1 0 1	2011011	4 0 1 1 0 0	0 1 1 	6 0 1 0	13 0 1 0	11 1 0	3 0 1 0	2 0 1 1	2 0 0 1	2 0 0 1 	2000100	1 0 0 0 1 0 0	1 0 0 1 1 0 0	2 1 0 0
9	0	0	0	0	0	0	0	0	0	0	1	1 2	1 3	1 3	1 0 2	1 1 2	0	0 0 3	1 2	0	0	0	0	0	0
11 12 13 14 15 16 17 18 19 20	0 0 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 1 1 0 0 0 0 0 1 1 1	0 0 0 0 0 1 1	0 1 1 0 0 0 0 0 1 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 1 0 0 0 0 1 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	100000000000000000000000000000000000000	1 1 1 1 0 0 1 2 1	1 1 0 1 0 1 2 2 4	2 1 1 0 1 0 1 2 2 6	3 1 1 1 2 1 2 2 6	1 2 1 3 3 3	1 3 1 1 1 4 3 3 3 3	1 2 1 1 •••• 4 1 4 4 3	1 2 1 1 3 1 3 3	2 2 1 0 3 1 2 4 3	2 3 1 0 5 0 1 3	2 2 1 0 3 0 1 2 3	2 1 1 0 0 1 1 2	1 1 1 0 	1 1 0 	0	1 1 0 0 0 0 0 1 1 1 1	1 1 0 0 1 1 1 1 2 2 2
21 22 23 24 25 26 27 28 29	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 1 0 0 0	000000000000000000000000000000000000000	000000000	0000000	0 1 0 0 0 0 0 0 0	0 1 0 0 0 0 0 0	0 0 0 1 1 0 0 1	2000011001	2000012001	3 0 0 0 1 3 0 0 3	5 0 0 0 0 1 2 0 1 4	1 0 0 0 - 2 1 1 3	3 1 0 0 1 1 1 1 0 3	3000011104	3000222104	3 0 0 0 3 1 2 1 0 4	20003332112	1000122102	1 0 0 0 1 2 2 1 1 1	0 0 0 0 1 2 1 0 1	0 0 0 0 1 2 1 0 1	0 0 0 0 0 1 1 0 1	0 0 0 0 0 1 0 0 1	000000000000000000000000000000000000000
MEAN	0	0	0	0	0	0	0	0	1	1	1	1	2	2	2	2	2								

PERCENTAGE OF DATA VALID - 96.7

PERCENTAGE OF DATA INVALID - 3.2

PERCENTAGE OF DATA UNAVAILABLE - 0.1

- NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE
 - 2. *- INDICATES DATA IS UNAVAILABLE
 - 3. ****** INDICATES LE-5 THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNITS - 0.01 PARTS/MILLION

	100	E WILLIAMS		OFFING	n	VIDE								01111			cnioyn	Terro							
	STA	TION	C	NO 3	5003	Ε	LMCRE	ST F	DAD.	ETOBI	COKE					MON	HTH :	MAY	77						
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1 2 3 4 5 6 7 8 9	000000000000000000000000000000000000000	1 2 0 0 0 0 0 0 0 0	0 2 0 0 0 0 0 0 0	0 1 0 0 0 0 0 0 0	1 0 0 0 0 0 0 0 0	1 1 0 2 0 0 0 0	1 0 2 0 0 0 0 0 0 0	3 0 0 3 0 0 0 0 0	40000	6 0 2 0 1 0 1	8 1 0 1 0 1 0 1	6 1 0 1 0 1 0 1 0	3 0 1 1 0 ****	2 0 4 1 1 1 0 0 0 1	3 0 29 1 1 1 0 0	4 0 41 1 1 1 0 0	5 0 13 1 1 1 1 0 0	3 0 2 1 1 1 0 0	2 0 1 0 1 1 1 0 0 1	1 0 0 0 0 0	200000000	2000000000	0 0 0 0 0 0 0	2 0 1 0 0 0 0	3 1 4 1 0 0 0 0
11 12 13 14 15 16 17 18 19	0 0 0 1 1 1 0 1 2 0 0	0 0 0 1 1 0 0 0	0 0 1 1 0 1 1 0 0	0 0 0 1 0 0 0 0	0 0 1 1 0 0	0 0 0 1 1 0 0 0	0 0 0 1 1 0 0 0	0 0 0 1 1 0 0 0 0	1 0 1 1 1 2 0 0 0 2	1 0 1 0 2 2 1 0 0	0 0 1 1 2 2 1 0 0 2	5 0 0 1 1 3 3	9 1 0 5 2 1 1 1	9 0 **** 3 1 3 2 1 1 5	5 0 4 2 2 2 1 5	4 0 **** 1 2 2 3 1 22 3	3 1 **** 1 3 3 2 1 6 4	5 0 **** 1 1 3 2 1 4 3	4 0 1 1 6 2 1 3 3	2 0 **** 1 1 8 2 1 2 3	2 0 1 1 2 1 0 1 2	1 0 1 1 1 0 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 0 1 1 1 1 0 0 1	2 0 0 1 1 2 1 1 2 2
21 22 23 24 25 26 27 28 29 30	1 1 1 1 0 1 2 2 1	1 0 0 1 0 1 2 2 1	0 0 0 0 0 1 2 2 1	0 0 0 1 0 1 2 2 2 1	0 0 0 1 0 0 2 2 2 1	0 0 0 0 0 2 2 2 1	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 2 1 1 0 0 2 3 2 2	1 3 1 1 0 1 2 3 3	3 4 2 1 0 1 **** 4 3	3 6 3 3 **** **** 4 3 3	56 2 **** 1 **** 5 3 3	5 2 **** 1 8 **** 4 2	6 4 2 3 1 5 5 2 3	4 5 3 2 1 6 5 2 3	4 3 2 1 1 5 5 2 3	4 3 2 1 1 6 **** 6 3 4	3 3 2 1 6 6 3 4	3 2 2 1 1 5 5 3	3 2 2 1 1 6 5 3	2 2 1 0 1 4 4 4 2 3	2 2 1 0 1 3	1 1 0 2 3 	1 1 0 2 3	2 2 1 1 1 3 3 4 2 2
31 MEAN	1	1	0	0	0	1	0	1	1	1	2	2	2	2	2 3	3 4	3	3 2	2	3 2	1	2	1	1	1.4

PERCENTAGE OF DATA VALID - 94.5 PERCENTAGE OF DATA INVALID - 5.5

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. "***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3, "***** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	PO	LLUTA	NT -	SULP	HUR DI	OXIDE								UNITS	- 0.0)1 PA	RTS/MI	LLIO	N						
	ST	ATION	- (NO.	35003	3	ELMCR	EST RO	AD.	ETOBI	COKE					MON	гн	JUN	77						
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1 2 3 4 5 6 7 8	1 1 ***** 0 1 1 0 0 0	1 1 1 **** 0 1 1 0 0 0	1 1 0 0 0 0 0 0 0	0 1 1 0 0 0 0 0 0	0	1 1 1 0 0 1 0 0 0 0 0 0	1 1 0 1 0 0 0 0	2 1 ***** 0 2 0 0 0 0 0 0	2 1 0 2 2 0 0 0 1 0	2 1 0 2 2 0 0 0 1 1	3 0 0 2 2 2 0	3 0 0 2 2 0 0 0	1 0 **** 2 1 0 0 1 1	1 0 1 2 2 0 0 1 1 1	1 0 1 2 2 0 0 1 1 1 1	1 0 2 3 2 0 0 1 1 2	1 0 3 3 2 0 0 1 1 1 1 1	1 0 4 3 2 0 0 1 1 8	2 0 4 3 2 0 0 1 1 5	2 0 2 3 2 0 0 1 1 3	2 1 3 2 0 0 1 1 2	2 1 3 2 0 0 1 1	2 1 2 3 0 0	2 1 2 2 0 0 0 *****	2 1 2 2 2 0 0 0 0
11 12 13 14 15 16 17 18 19	0 1 0 0 1 0 0	0 1 0 0 1 1 0 0 0 0	0 2 0 0 1 1 1 0 0 0	0 1 0 0 0 1 1 1 0 0 0 0	2 0 1 1 1 1 1 0 1	0 2 0 0 1 1 0 0 1 0	0 2 0 0 1 1 0 0	1 2 0 0 1 3 1	1 2 1 0 1 4 1 1 1 0	1 2 1 0 2 2 1 1 1 0	1 2 1 0 1 3 1 1 1 0	1 2 1 **** 2 14 1 2	1 1 2	1 1 0 2 1 1 1 1 1 1 1 1 1	2 1 1 2 2 1 1 1 1 0	3 1 0 2 12 1 2 1 1	5 1 0 2 1 2 2 2 1 0	4 1 3 1 2 2 2 1	2 1 1 3 1 2 2 2 1 0	2 1 0 2 0 2 1 2 1 0	2 1 0 2 0 2 1 2 0 0	2 0 0 1 1 1 2 0 0	20001200	2000001200	1 1 0 1 1 1 2 1 1 1 0 0
21 22 23 24 25 26 27 28 29 30	0 0 0 0 1 0 1 1 1 0	0 0 1 0 0 1 1 0 0	0 0 1 0 0 0	000000000000000000000000000000000000000	0 1 0 0 0 0 0 0	0 0 1 0 0 0 0 0 0	0 0 2 0 0 0 0 0 0	0 0 2 1 1 0 1 2 0 0	0 0 2 2 1 1 2 3 0 1	0 0 1 2 1 1 2 3 0 3	0 0 0 3 1 1 4 2 0 4	0 1 4 1 1 4 2 0 3	1 1 2 1 1 2 0	1 1 3 2 1 2 0 0 0	1 1 17 3 2 1 4 1 0 3	1 1 4 3 2 1 5 3 0	1 5 2 1 2 5 3 0 3	1 1 2 3 1 3 5 2 1 2	1 1 1 2 1 4 4 4 2 0 4	1 1 0 2 1 9 6 2 0 2	0 0 2 0 8 7 1 0 3	0 1 0 2 0 4 7 1 0	0 0 0 1 0 3 1 2 0 1	0 0 0 1 1 2 1 1 0 0	0 0 2 2 1 2 3
MEAN	0	0	0	0	D	0	0	1	1	1	-1	2	1	1	2	2	2	2	2	2	1	1	1	1	11

PERCENTAGE OF DATA VALID - 96.5 PERCENTAGE OF DATA INVALID - 3.3

PERCENTAGE OF DATA UNAVAILABLE - 0.1

- 2. *-* INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNITS - 0.01 PARTS/MILLION

	51	TATION	- (C NO	3500	3	ELMCF	REST	ROAD.	ETOB	COKE					MON	HTH -	JUL	77							
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	0		0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0		,
2	C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					Č	
3		****	****	****	****		****	0	0	1	1	1	1	1	1	1	0		3	2	2	2	(4			8
4	0	0	0	0	0	0	0	0	0	1	1	2	3	2	3	3	5		4	2			ò	ò		
5	0	0	0	1	0	0	0	0		0	0	o		- 7	2	2	15		3		1	1	0		- 4	9
6		1	1	- 1	1	1	1	1	, i	1	0	ő	0	o	ő	ő	, 0			2	2	1	- 1	1		
7	0	o	ò	0	o	Ö	o	Ó	ó	ó	0	o	ő	0	0	0	0		0	0	0	0	0	0	(
8	0	o	0	0	o	0	o	D	ő	0	o	****	0	1	0			ō	0	0	0	0	0	0		1
9	0		ő	0	ő	0	o	0					U		- 1	6	5	5	7	2	1	1	0	0	1	
10	1	ó	0	0	0	0	0	0	0	0	0	0	1	2	- 1	1	- 1	1	1	1	- 1	1	1	- 1	1	
10	- 1	U	U	U	U	U	U	O	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	(1
1.1	0	0	0	0	0	0	0	1	1	1	2	2	3	6	4	4	4	4	3	4	3	2	2	2		
12	2	2	4	3	4	4	2	2	2	2	2	3	3	3	4	4	4	3	3	3	3	3	3	3	3	
13	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	ĭ	3			0	-	7
14	0	0	0	0	0	0	0	0	0	1	1		****	29	,	6	5	A	5	В	6	- 1		2		
15	2	2	2	2	3	2	2	2	2				****		8	2	2	- 7	5	В	6	2	- 2	- 2		1
16	1	0	0	0	0	0	0	1	1	2	3	3	4	4	9	8	7	5	5	1	1.	1.	- 2	- 1	- 2	
17	2	2	2	2	2	2	2	2	3	3	3	3	3		3	3				3	2	2	2	2	- 9	ř
18	****	****		****					****	2	3	6	3	3 6			2	2	2	****		****	****	****	2	1
19	1	1	1	1		4	2	2	2	2	2	3	3	2	5	5	6	6	5	3	2	1	1	1	*****	9
20	1	1	- ;	- 4	- 1	1	ō	0	1	- 1	2	2		3	3	3	2	3	6	3	2	1	2	1	- 2	
							0	0	4		2	2	3	3	3	3	4	4	4	3	3	3	2	2	- 2	t
21	2	2	2	2	2	2	3	1	2	2	2	2	2	2	3	3	3	3	3	2	1	1	1	1	- 2	į
22	1	1		1	1	1	3.	1	0	1	- 1		****	****	****	****	1	2	2	2	1	1	1	1	- 1	î
23	0	1	1	0	0	0	0	0	1	1	2	2	2	2	3	3	3	4	4	3	3	2	2	2		,
24	2	2	1	1	2	2		1	1	41	1	1	1	****		****	****	****	****		0	0	õ	ō	- 7	P
25	0	1	1	0	0	0		1	1		- 1	1	2	1	0	0	0	0	0	0	0	ō	ő	0		1
26	0	1	0	1	1	- 1	1	1	1	1	1	0	0	****	****	D	0	- 7	1	0	ő	0	0	0		7
27	0	0	0	0	0	0	0	1	1	2	2	12	4	2	****	2	2	2	2	ĭ	2		- 4	·	-	
28	1	1	1	0	1	1	1	2	2	6	8	7	2	2		2	2	- 7	1		- 2	- 1	- 2	- 2		9
29	0	0	0	0	0	0	0	0	2	3	5	4	6	2	2	- 7	- 7	- 1	- 2	- 1		- 1	- 1	- 1	- 1	į.
30	1	1	1	1	1	1	- 1	1	- 1	1	1	- 1	1	- 1	- 1		- 1	4	- 1	- 1	1	1	- 1	- 1		
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31	0	0	0	0	0	0	0	0	0	1	- 1	1	1	2	3	3	1	1	1	1	0	1	1	1	1	j
MEAN	3	1	1	1	1	1	1	1	1	1.	2	2	2	3	3	2	3	2	2	2	1	1	1	1	1.4	ı

PERCENTAGE OF DATA VALID - 93.4 PERCENTAGE OF DATA INVALID - 6.5

PERCENTAGE OF DATA UNAVAILABLE - 0.1

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. *- * INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

POLLUTANT - SULPHUR DIOXIDE UNITS - 0.01 PARTS/MILLION STATION - C NO 35003 ELMCREST ROAD, ETOBICOKE MONTH - AUG 77 HOUR 7 B 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 MEAN 0 0 0 ó 0 0 1 0 0 0 0 1 0 D 24 25 26 0 0 MEAN 0.7

PERCENTAGE OF DATA VALID - 91.9

PERCENTAGE OF DATA INVALID - 8.1

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- *- * INDICATES DATA IS UNAVAILABLE
- 3. ******* INDICATES LEJS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

	STA	TION -	C	NO 3	5003		ELMCRE	ST RO	AD. E	товіс	OKE					MON	TH - :	SEP	77						
HOUR	1	2	3	4	5	6	7	8	9	10	1.1	12	13	14	15	16	17	18	19	20	21	22	23	24 N	EAN
1	1	1	1	4	7	1	1	1	3	1	2	2	2	2	2	3	2 2	2	1	1	1	1	1	1	1
2	0	0	0	0	0	0	0	0	0	0	0	0	. !			3	- 1	4	2			- 1	1	0	1
3	0	1	0	0	0	0	0	0	0	0	0	0	1	1	2	2	2	- 4	- 1		1	1	1	1	1
4	0	0	0	0	0	0	0	1.	1	3	- 5	3	2			2	- 1	- 4	4	-	1	1	1	1	1
5	1	1	. 1	1	1	1	T	1	1	- 1	1	- 3	- 1	- 1	- :	1	- 4		- 4		- 4	ò	0	0	1
6	1	1	0	0	1	-	****	0	0	1	- 2	- 1	- 4	- 4			- i	- 4	- 4	ó	0	0	0	0	1
7	0	0	0	1	1	0	0	0	1	0	0	1	- 1	- 1	- 1	- 1	î	- 4		1	1	1	0	0	1
8	1	0	0	0	0	0	0	0	0	0	2	2	3	2	2	2	2	2	- 1	,	1	1	1	1	1
9	0	1	1	0	0	0	0	0	1	0	ő	0	ő.	ő		ō	ō	ō	ò	o	o	0	0	0	0
10	2	0	0	0	0	0	0	0	0	- (1)	U	U	0	·	0							100			
11	0	0	0	0	0	0	0	0	0	0	0	Ť	1	1	1	1	1	1	- 1	1	0	0	0	0	0
12	0	0	o	0	0	0	0	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1
13	o	0	0	1	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0
14	o	o	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
15	0	0	0 1		0	0	0	0	0	1.	1	1	0	1	1	1	0	0	. 1	1	0	1	0	0	0
16	1	1	1	1	1	. 1	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	ő	o
17	ó	0	0	0	0	0	0	0	1	1	1	1		1	1	1	1	1	0	0	0	0	0	ő	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0	0	0	o	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0	0	0	o	ō
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	U		0	
		0		0	О	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	ő	o	0	o	0	0	0	0	0	0	0		0	1	1	1	1	1	1	0	0	0
22	0	0	0	o	ő	ő	ő	0	o	ő	0	0	0	0		0	0	0	0	0	0	0	0	0	
23	0	0	o	Ö	0	o	o	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	o	0	o	0	o	o	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0
26	o	0	0	ő	Ö	ō	o	0	0	0	0	0	1	2	1	1	1	1	1	0	0	1	0	0	0
27	1	0	0	ő	Ö	o	o	0	o	0	0	0	0	-	. 0	0	0	0	0	0	0	0	0	0	0
28	o	0	0	ő	ő	ō	0	0	0	- 2	100	*			20	****	0	0	0	0	0	0	0	0	0
29	o	ő	0	ŏ	0	0	0	0	0	0	0	0	0	C	0	0	0	0	0	0	0	0	0	0	0
30	Ö	Ö	0	ő	ŏ	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	-1	0	0	0	0	0	0.4

PERCENTAGE OF DATA VALID - 98.3

PERCENTAGE OF DATA INVALID - 0.7

PERCENTAGE OF DATA UNAVAILABLE - 1.0

NOTES 1. ****** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. *- INDICATES DATA IS UNAVAILABLE
- 3. ******* INDICATES LEJS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

POLLUTANT - SULPHUR DIOXIDE UNITS - 0.01 PARTS/MILLION STATION - C NO 35003 ELMCREST ROAD, ETOBICOKE MONTH - OCT 77 HOUR 6 7 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 MEAN 12 13 14 15 16 17 23 24 25 O MEAN 0.6

PERCENTAGE OF DATA VALID - 99.6

PERCENTAGE OF DATA INVALID - 0.4

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEJS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - SULPHUP L.OXIDE

UNITS - 0.01 PARTS/MILLION

	51	AT LO	N (*)	C NO	3500	3	ELMCF	EST F	ROAD.	ETOB	COKE					MOR	HTH -	NOV	77							
HOUR	ì	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	1	1	1	1	0	0	0	0	0	2	1	1	1	1	1	0	0	1								
2	0	0	0	0	0	0	0	0	n	1	- 1	- 4	1	1	1		·	1	i	- 8	0	0	Ü	0		
3	0	0	0	0	0	0	0	0	0		1	- 4	•	i	- 4	- 1		1		1	0	0	0	0	0	
4	0	0	0	0	0	0	0	ő	ŏ	0	ó		ò	ò	!	!			0		0	0		0	0	
5								U	U			v				****	••••	••••	••••						*****	
6													DATA		LID -											
7								0.000	2 2.00	(A)(A)(A)	-		****	• • • •	1	. 1	1	1	1	1	1	1	1	1	*****	
6			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
9	0	o	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1		1	1	- 1	1	1	ñ	
9	1	1	0	0		0	- 1	1	1	- 1	1	1									****					
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				_	_			
12	0	0	0	0	0	0	0	ō	ō	ō	ō	o	ő		Š	ő	ő	ő	0	0	0	0	0	0		
13	0	0	ō	ō	ō	0	Ö	ŏ	ŏ	ŏ	ŏ	0	ŏ	0 0 3	0	ő	ő	0	0 0 0	0	0	0	0	0		
14	0	ō	ő	ő	ŏ	ō	ō	ő	ŏ	ŏ	ő	ŏ	ő	v	0	0	0		O	0	0	0	0	٥	0	
15	1	ĭ	ĭ	2	2	·	·	·		3		ŭ		0	0		•	0	0	0	0	1	1	1	0	
16	- 6			ō	ő	ò	ò		2		4	3	2	3	3	2	2	1	1	1	1	1	1	1	2	
17								1	, ,	2		- 1	1	1	0	1								****	1	
18	0									****	****	****	1	1	1	1	1	1	0	0	0	0	0	0	*****	
19		0	0	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	ō	ō	0	ō		
20	0	0	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	ō	ŏ	ī	1	1	ĭ	
21	1	2	3	3	2	2	1	1	1	1	1		1	1	0	0	0	0		0	0	0		•	-	
22	0	0	0	0	0	0	0	0	0	0	0	0	0	o	ō	ŏ	ŏ	ŏ	0000	č		ő	0	0		
23	1	- 1	1	1	1	- 1	1	1	- 7	1	- 1	ŏ	ō	ŏ	ő	ŏ	ŏ	ő	ŭ	0	0		2	1	0	
24	1	1	1	1	0	0	n	o	ò	ò	Ö	ŏ	1	٠	1	,	ĭ		0			1		1	1	
25 26 27	0	0	0	0	0	ŏ		2	****	ő	ŏ	ŏ	ò	- 4	- 1			0		0	0	0	0	0	0	
26	ī	1	ŏ	ő	ŏ	ĩ	ò	ō	0	1	ĭ	Ö		- 1	- 1	,	0	1	1	1	1	- 4	1	1	1	
27	ò	ó	ĭ	1	7	- 4	ĭ	ŏ	ĭ	ò		o	0	1	1		- 1	0	0	1	1	1	1	1	1	
28	ŏ	ő	ċ	ò	ò	ò	ċ				0		0	2	3	2	1	1	1	1	0	- 1	1	0	1	
29	·	·	٠	1				0	0	1	2	2	2	2	1		1	1	1	1	2	1	1	1	1	
30	2	- 1	2		- 1	- 1	1	1	2	2	2	1	1	1	2	2	3	4	4	3	3	3	3	3	2	
30	2	1	2	2	2	2	2	2	3	2	2	2	2	2	1	2	2	2	1	1	1	1	1	1	2	
MEAN	0	0	0	0	0	0	0	0	1	t	1	1	1	1	1	1	1	1	,	1	0	1	1	1	0.5	

PERCENTAGE OF DATA VALID - 88.5 PERCENTAGE OF DATA INVALID - 11.5

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. ****** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE
 - 2. "-" INDICATES DATA IS UNAVAILABLE
 - 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POL	LUTANT	- 5	ULPHL	JR DIQ	XIDE							,	JNITS	· o.	01 PA	RTS/M	ILLIO	N						
	STA	TION -	c	NO 3	5003	Ε	LMCRES	T RO	AD,	ETOBIC	OKE					MON	тн - 1	DEC	77						
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15.	16	17	18	19	20	21	22	23	24 1	MEAN
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	0 1 1 0 3 0 1 0 0 0 0 0 2 2 1 0 1 1 0	0110301000	011102111000 002211111	0111211001000221111110	0 1 1 0 1 0 0 0 1 2 1 0 0 1 1 1 0 0 0 1 1 1 0 0 0 1 1 1 0 0 0 1 1 1 0 0 0 0 1 1 1 1 0 0 0 0 1 1 1 1 0 0 0 0 1 1 1 1 0 0 0 0 1 1 1 1 0 0 0 0 0 1 1 1 1 1 0 0 0 0 0 1	0 1 1 0 1 0 0 1 1 2 1 0 1 1 1 0	1 1 0 1 0 1 0 0 1 1 2 0 0 1 1 0	1	101011110052211	1 0 1 0 1 1 1 1 1 1 0 0 7 3 1 3 2 2 0 1 1	2110111211 053142010	211111221 052134010	201101111052143111	0 0 4 3 1 3 3 1 1 1 1 1	3 2 1 0	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 2 0 0 3 3 1 0 1 1 0 0	1 1 0 1 0 3 0 0 2 3 1 0 1 1 0 0	1 1 0 0 1 0 1 0 0 2 3 1 0 1 1 0 0	11001000012310110	1 1 1 0 1 0 0 0 0 0 2 2 1 0 1 1 0 0	1 1 1 0 1 0 0 0 0 0 0 1 2 1 0 2 1 0	1 1 0 0 0 0 0 0 1 2 1 0 1 1 0 0	1 1 0 0 0 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1
20	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0
21 22 23 24 25 26 27 28 29 30 31	0 0 0 0 1 1 1	0 0 1 1 0 0 0 1 1 1 1 1	1 0 1 1 1 0 0 0 1 1 1 1	1 0 1 1 0 0 0 1 2 1	1 0 1 1 0 0 0 1 2 1	1 0 0 0 0 1 2 1	0 0 2 1 1 0 0 0 1 3 ***	0 1 1 1 0 0 0 1 0 1	0 1 1 1 0 0 0 0 3 1	0 1 1 2 1 0 0 0 0 3 1 1	0 1 1 4 1 0 0 0 0 2 1	0 1 1 2 0 0 0 0 1 1 1	1 1 3 0 0 0 0 0 1 2 1	1 1 3 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	000000000000000000000000000000000000000	1 1 2 0 0 0 1 1 1 1 1 1 1	1 1 1 0 0 0 0 1 1 1 1 1 1	0 1 1 2 0 1 1 1 1 1 1 1 1 1 1 1	0 1 1 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0 1 1 0 1 1 1 1	0 1 1 0 1 1 1 1 1	0 1 1 1 0 0 0 1 1 1 1 1 1 1	0 1 1 1 0 0 0 0 1 1 1 1 1	0 1 1 1 0 0 0 1 1 1 1 1 1	0 1 1 2 0 0 0 0 1 2 1
MEAN	1	1	1	1	•	1	1	1	1	1	1	1	1	1	,	1	1		1	1	1	1	1	1	0.8

PERCENTAGE OF DATA VALID - 99.2 PERCENTAGE OF DATA INVALID - 0.8 PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE
 - 2. "-" INDICATES DATA IS UNAVAILABLE
 - 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1977

MC	INTHLY SUMMARY	OF HOURLY AND 2-HOURL	Y DATA FOR 1977		
PC	LLUTANT - SUL	PHUR DIOXIDE		UNITS - 0.01 PARTS/MILL	ION
ST	ATION - C N	O 35003 ELMCREST F	OAD. ETOBICOKE		
	MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
	JAN	30	2.2	7	9
	FEB	28	1.8	6	3.1
	MAR	28	1.1	2	23
	APR	29	0.8	2	13
	MAY	30	1.4	4	41
	JUN	29	1.1	3	17
	JUL	30	1.4	4	29
	AUG	28	0.7	2	13
	SEP	30	0.4	1	5
	OCT	31	0.6	2	12
	NOV	25	0.5	2	.4
	DEC	31	0.8	2	7
	YEAR	349	1.1	7	41

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1977 POLLUTANT - SULPHUR DIOXIDE UNITS - 0.01 PARTS/MILLION STATION - C NO 35003 ELMCREST ROAD, ETOBICOKE MONTH OO TO 04 05 TO 10 11 TO 14 15 TO 25 26 TO 39 40 SOVER TOTAL JAN 0 0 FEB MAR APR MAY JUL AUG SEP DCT

FREQUENCY DISTRIBUTION BY PERCENTILES
PERCENT
OF DATA
VALID MIN 10 ARITH 98 99 MAX 41 1.1 4.7 6.0

DEC

YEAR

UNITS - O OI PARTS/MILLION

						A10L							- 4	UNITS	- 0.1	01 PA	RTS/M	ILLIO	N							
	5	MOITAT	- с	NO	35005	(QUEENS	WAY P	1920	TAL E	TOBIC	OKE				MON	тн	JAN	77							
DAY		2	3	4	5	6	7	В	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1 2 3	1 2 2	2 2	1 2	1 1 2	1 1 2	1 1 3	1 1 3	1	1	1	1	2	1	2	2	2	2	1 2	1 2	1 2	1 2	1 2	1 2	2 2		1
4 5 6	3 1	7 2 1	6 2	5	5	5	4	3	3	3	1		1	2 1 1	1	1	2 1 1	1	2 1 1	1	1	1 0	2	2		3
7 8 9	4 1 2		3 0 1	3	4	6 1 1	7 2 2	7 3 2	2 4 5 2	5 2 7	6	6 1 4 2	1 3	3 1 3 2	1 3	6 3	11	11 1 2	10 1 2	6 1 2	4 0 2	3 0 2	3 1 3	4 1 3		4 2 3
10	2	2	2	2	2	1	1	2	2	1	1	î	î	1	1	1	1	1	1	1	1	1	1	1		1
12 13 14	3 1 5	3 1 6	2 1 6	2 1 6	2 1 6	2 1 6	3 2 6	2 3 6	3	3 3 7	3 2 8	2 3 8	2 5 7	2 3 6	1 2 6	1 3 8	1 1 4 6	1 3 7	2 1 5 8 2	1 6 8	1 5	1 3	1 3	1 4		2
15 16 17 18	1 3	1	1	1	1 2	3 1 2	3 1 1	3 1 1	3 0 2	0 2	3 0 2	3	3 1 2	1 3	1 2	1 2	1 2	1 2	1 2	1 3	1	1	1 1 2	1		3
19	1	2	1 2	1	1 2	1 2	1 1	1	1 0 1	1 1	1 1 2	2 1 2	1 3 2	2 1 1	1 '	1	2 † 1	0	0 2	0 2	0 2	1 0 2	0 2	1 1 2		1 1 1
21 22 23	3 2 2	4 1 2	3	3 1 0	2	1	1	1	1	1	!	1	1	2	5	3	1	1	2 5	1 4	0	0	3	2		2
24 25 26 27	5 5	7 5	9	9	9	7 4	7	8	9	8	7	6	7 4 2	2 7 4	7 4 •	6	6 6 2	7 7 1	8 7 1	8 6 0	7 6 1	6	7 6	6		3 7 4
27 28 29 30	1 2 1	3	1 2 2	2 2	1 2 2	4 2	1 6 2	3 2	1	5	4 2	2 6	2 2 2	1 1 2	1 1	1	2 1	2	2 2	2 1 1	10 1	5 2 1	2	2		1 2
30 31	1	2	1	1	2	2	3	3	2 2	2 2 2	2	1 2	1 2	1 2	1 2	1 2	1 2	1 2	2 1 2	1	2	2	2	2		2
MEAN	2	3	2	2	2	2	2	2	2	2	2	3	2	2	2	2	2	2	3	2	2	2	1 2	1 2	2	2

PERCENTAGE OF DATA VALID - 98.3

PERCENTAGE OF DATA INVALID - 1.7

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. "**** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

POLLUTANT - SULPHUR DIOXIDE

3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

UNITS - 0.01 PARTS/MILLION STATION - C NO 35005 QUEENSWAY HOSPITAL ETOBICOKE MONTH - FEB 77 HOUR 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 MEAN 1 2 3 4 5 6 7 8 9 11 12 13 14 15 16 17 18 19 1012 1 12 1 2 5 2 2 6 2 2 12 3 21 22 23 24 25 26 27 28 23332 MEAN 2 2 2 2 2 2 2 2 2 2 2 2 2.0

PERCENTAGE OF DATA VALID - 99.1

PERCENTAGE OF DATA INVALID - 0.9

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- *- " INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNITS - 0.01 PARTS/MILLION

	STA	TION -	C	NO	35005	(QUEENS	WAY I	HOSPI	TAL E	товіс	OKE				MON	TH -	MAR	77						
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1 2 3 4 5 6 7 8 9	1 1 2 1 1 2 1	1 1 2 1 2 1 2 1	1 1 1 1 1 2 1 2 3	2 1 1 1 1 2 1 2 2	1 1 1 1 1 1 2 2 2	3 1 1 1 1 1 2 2 2 2	1 1 1 1 1 1 3 2	1 1 1 1 1 4 2	1 1 2 1 1 1 1 3 3	1 3 2 1 1 2 3 3	1 1 3 1 1 1 1 1 2 2	2 3 1 1 1 1 1 1 1 1 1 2 2 2	0 2 2 2 1 1 1 1 2 2	0 2 1 1 1 1 1 2 2 2 2	0 2 1 1 1 1 1 2 2 2 2	0 1 1 1 1 1 2 2 2 2	0 2 1 1 1 1 1 2 2 2 2	1 2 2 0 1 1 1 2 2 2 2	1 3 1 1 2 1 1 2 2 2	1 2 1 1 1 2 2	1 2 1 1 1 2 2	1 3 1 1 2 1 1 2 2	1 3 1 1 1 2 2 2 2	1 3 1 1 2 1 1 2 2 2 2 2	1 2 1 1 1 1 1 1 2 2 2
11 12 13 14 15 16 17 18 19	1 2 0 0 0 1 1 3 0 5	1 2 0 0 0 1 1 1 0 4	1 1 0 0 0 1 1 1 0 5	1 0 0 0 0 1 0 1 0 4	1 0 0 1 0 1 0 3	1 0 0 0 0 0 0 1 0 2	0 0 0 0 0 1 1 2	1 0 0 1 0 0 1 1 3	3 2 0 0 2 0 0 0	6300200012	4 3 1 0 2 1 0 0 1 1	3 2 1 0 1 1 0 0 1 1	3 1 0 1 1 0 0 1	4 3 1 0 2 1 0 0	4 2 1 0 2 1 0 0 1	4 2 1 0 1 0 0 2	3 1 1 0 2 1 0 0 2 1	3 1 1 0 2 1 0 0	2 0 1 0 1 1 0 1 1	2 0 0 1 1 2 0 1 1	2 1 1 0 1 1 1 0 2 1	2 1 1 0 1 1 3 0 5 1	3 0 1 0 1 1 2 0 4 1	2 0 1 0 1 1 2 0 4 2	2 1 1 0 1 1 0 1 2
21 22 23 24 25 26 27 28 29 30	1 1 1 1 1 2 2 1 0	2 1 1 1 1 1 2 1 0 1	1 1 1 1 3 1 0 1	1 1 1 1 1 2 1 0 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 2 1 1 1 1	1 1 1 1 2 1 1 1 1	1 1 2 1 1 4 2 1 2	2 1 1 2 1 3 0 1 1	3 0 1 2 1 0 2 1 1 2	2 **** 1 2 1 0 2 1 1 1	2 1 1 1 0 2 1 1 2	2 1 1 1 1 0 2 1 1 1 1 3 3	2 1 1 1 0 2 1	3 1 1 1 1 0 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6 1 1 1 1 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0	6 1 1 1 1 1 2 0 0	4 1 1 1 3 2 0	4 1 1 2 4 2 0	2 1 1 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 2 1 0 1 1	2 1 1 1 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1
31 MEAN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	ĭ	i i	1.2

PERCENTAGE OF DATA VALID - 98.0 PERCENTAGE OF DATA INVALID - 2.0 PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. ****** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ******* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	PC	LLUT	ANT	- S	ULPH	IUR DI	OXIDE								UNITS	s - o.	01 PA	RTS/M	ILLIO	N.						
	ST	TATIO	N -	С	NO	35005	5	QUEEN	SWAY	HOSPI	TAL E	товіс	OKE				MON	тн - ,	APR	77						
HOUR DAY	1	2		3	4	5	6	7	В	9	10	11	12	13	14	15	16	17	18	. 19	20	21	22	23	24	MEAN
1 2 3 4 5 6 7 8 9	1 1 1 0 0 0 1 0 0 1 0	1 1 0 0 0 0 0 0 0		1 1 1 0 0 1 0 0	1 2 1 1 0 0 0 0 0 0	1 2 1 0 1 0 0 0 0 0	0 2 1 0 1 0 0 1 0	0 1 1 0 1 1 1 1 0	1 2 1 0 1 1 3 2	1 1 1 1 1 1 2 1 0	1 1 1 1 2 1 0	2 1 1 1 1 1 1 1	1 0 1 ***** 1 1 1 1	4 0 1 1 0 1 1 1	1 0 1 2 0 1 1 3	3 0 1 1 1 1 3 1	3 0 1 1 1 1 1 1 1 1	4 0 1 1 1 1 1 1 1 1 1 1	1 0 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1	0 1 0 0 1 1 1 1 1 1	0 0 0 0 1 1 1 1	0 1 0 0 0 1 1 1 1 1	0 2 0 0 0 1 1 1 1 1	0 1 0 0 0 1 0 0 0	1 1 1 1 1 1 1 1 1
10 11 12	2	2		1	1 1	1 1	1 1	1 1	1 2 1	2 3 1	3 4 1	3 8 1	3 5 2	5 2 3	3 2 3	2 2 3	1 1	2	2	2	2 0	2	1 1	1 1	1 1	2 1
13 14 15 16	1 0 0	0 0 1		0 0 0 1	0 0 1	0 0 1	0 0	1 0 0	1 0 1	1 0 2 1	1 0 2 1	1 1 2	1 1 1	1 1	1 1 2 1	1 8 3	1	1 1 3 1	0 1 4	0 1 5	0 0 3 2	0 1 5	0 0 2 1	0 2 1	0 1 1	0 0 2 1
17 18 19 20	0 1 2 2	1 1 2		1 1 1	1 2 1	1 2 1	1 3 1	0 2 4 1	0 2 3 1	0 3 4 1	0 4 3 2	0 2 2 3	0 2 2 2	0 3 2 2	1 8 2 2	1 4 1 3	1 5 4 3	1 4 4 3	1 5 3 3	1 4 2 3	0 3 2 3	0 2 1 2	1 2 2	1 2 1	2 2	1 3 2 2
21 22 23 24 25 26 27 28 29	2 1 1 1 0 0 0 0 1 0	3 1 1 0 0 0 1 0 1 0 0 0 1 0 0 1 0 0 0 1 0 0 0 1 0 0 0 1 0 0 0 1 0 0 0 1 0 0 0 1 0 0 0 1 0 0 0 0 1 0 0 0 0 1 0 0 0 0 1 0 0 0 0 0 1 0 0 0 0 0 0 0 1 0		3 2 1 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2 2 1 0 0 1 1 0 0 0	2 1 1 0 0 1 1 0 0 0	2 1 1 0 0 0 1 0 0 0	1 1 0 0 1 2 0 0	1 1 0 0 1 1 0 0 0	2 2 1 0	2 2 1 0 0 4 4 4 0 0 0	2 2 1 0 0 5 0 0 5	3 1 1 0 ***** 1 6 0	3 1 1 0 ***** 0 5	0 1 1 0 1	3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2 1 1 0 1 0 1 1 0 1	1 1 0 3 1 0 2	1 0 1 3 3 1 0 2	2 1 0 0 0 2 2 1 0 1	1 1 0 0 1 3 1 0 1	1 1 0 0 0 2 1 0 1	1 1 0 0 0 1 1 1 2 1	1 1 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 0 1 1 1 1 1 0 0 0 0 0 0 0 0 0 0 0 0	2 1 0 0 1 2 1 0
MEAN	1	1		1	1	1	1	1	1	1	1	2	2	1	1	2	1	2	2	1	1	,	1	1	1	1.1

PERCENTAGE OF DATA VALID - 96.8 PERCENTAGE OF DATA INVALID - 3.2 PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT . SULPHUR D. UXIDE

UNITS - 0.01 PARTS/MILLION

	STA	TION	- с	NO	35005		QUEENS	WAY	HOSPI	TAL E	TOBIC	OKE				MONT	TH - 1	AAY	77						
HOUR	1	2	3	4	5	6	7	В	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 ME	AN
1	1	1	1	1	1	1	1	3	7	6	3	2	2	2	2	5	9	4	2	2	2	2	2	2	3
2	3	2	1	0	1	1	0	0	0	0	0	0	0	0	0	1	0	1	1	1	0	0	0	0	1
4	ĭ	1	0	1	0	0	1 2	1	1	1	0	0	0	1	3	1	0	0	1	0	0	1	1	1	1
7	ò	ò	ó	ò	ò	ò	ő	0	0	0	,	1	1	1	1	1	0	1	1	0	0	1	1	1	1
š	Ô	ŏ	1	1	1	2	2	,	1			Ö	0	0	0	0	- 1	0	0	0	0	0	1	1	0
7	0	ŏ	ò	ò	ò	ő	ő	ò	ò	ő	0	ö	ő	0	0	0	1	1	1	1	0	0	0	0	1
В	ō	ŏ	0	ŏ	õ	ŏ	ŏ	Ö	0	ŏ	ŏ	ŏ	ŏ			0	0	0		0	0	0	0	О	0
9	ŏ	ŏ	ŏ	ő	0	õ	ŏ	o	ŏ	ő	ŏ	ŏ	č	0	0	0	0	0	1	0	0	0	0	0	0
10	ō	ō	ŏ	ō	ŏ	õ	ŏ	ō		****	1	ĭ	ĭ	•		٠	٠	0	0	0	0	0	0	0	0
		0.000		-	-	-	•		•		1	•		2.0	3			§.	1	1	0	0	0	0	0
11	0	0	0	0	0	0	0	0	О	0	2	1	3	1	2		1	1	3	2			1		
12	0	0	0	1	1	0	0	ō	ĭ	1	1	ó	ő	• • • •	1	- 9	4	- 1	1	1	2	- 1	1	1	- :
13	1	1	1	1	1	1	1	1	1	1	0	ō	1	1	ò	ò	ò	ò	ó	ò	ò	ò	ò	ò	- :
14	0	0	0	0	0	0	0	1	1	Ó	ō	ō	ò	3	6	ĭ	ĭ	ő	ŏ	Ö	Ö	ŏ	õ	ŏ	- 1
15	0	1	1	1	1	1	1	4	1	0	0	0	0	ō	ŏ	ò	ò	1	ŏ	ŏ	ö	٠	ĭ		- :
16	1	0	0	0	0	0	0	1	2	3	3	4	4	3	2	ž	3	3	8	17	9	- 4			,
17	1	1	1	1	1	1	0	2	2	2	2	2	2	1 '		- 7	ĩ	ĭ	ĭ	1,	1	ż		ż	3
18	2	1	0	0	0	0	0	0	0	0	1	1	1	1	1	1	- 1	ò	i	i	ò	ő	ò	ő	- 1
19	0	0	0	0	0	0	0	0	0	0	0	0	1	2	6	3	2	1	2	4	1	2	5	5	- 4
20	3	1	0	0	1	2	2	2	3	1		3	4	4	3	3	3	3	3	3	ż	2	2	2	2
21	,	1	1	1	1	3	2	2	2	2	3	4	6	7	5	5	4	4		_	_	_	_	_	
22	2	2	1	1	1	1	1	2	2	4	4	4	4		4	3	3	3	3	3	2	2	2	2	3
23	1	1	1	1	1	1	î	3	4	7	8	3	1	3	3	3	2	2	2	2	*		- 2	- 1	- 2
24	1	1	1	1	1	1	1	2	3	3	3	3	2	2	2	2	ī	ō	1	-	- 1	- 1		ò	
25	0	0	0	0	0	0	1	0	ō	1	1	1	1	- 7	ī	1		ŏ	ò	ò	ö	ò	ò	ŏ	÷
26	-	•				-					-		0	0	ó	ò	0	ŏ	ŏ	ŏ	ŏ	ŏ	ŏ	0	
27	0	O	0	1	1.	1	0	1	0	0	0	2	9	6	3	3	2	1	ĭ	1	ŏ	ŏ	ŏ	0	
28		C	0	0	0	0	0	1	1		1	1	1	1	1	1	1	1	i	ò	ŏ	ŏ	õ	õ	i
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Ö	ò	ŏ	ŏ	ŏ	ŏ	ŏ	ò
30	0	0	٥	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	ō	ŏ	ŏ	ō	o	Ť	ŏ
31	0	o	0	0	0	0	0	0	1	1	3	3	2	3	3	2	2	2	2	2	1	1	1	1	1
MEAN	1	0	0	0	0	1	1	1	1	1	1	1	2	2	2	1	1	1	1	1	1	1	1	1	1.0

PERCENTAGE OF DATA VALID - 97.7 PERCENTAGE OF DATA INVALID - 0.7

PERCENTAGE OF DATA UNAVAILABLE - 1.6

NOTES 1. " " INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. . . INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

	\$1	MOITA		С	NO	35005	i	QUEEN	SWAY	HOSP	TAL I	ETOBIC	OKE				MOI	HTH -	JUN	77						
HOUR	•	2	į	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1		1	1	1	1	,	1	2	4	4	2	2	1	2	2	1	2	1	1	1	1	1	1	,
2				1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	•		ò	ò	ò	7
3	1	0	- 9	0	0	0	0	0	0	1	1	1	1	2	2				****		****	****				
4		••••			••		• • • •		••••	****	****			****	****	****			3	6	3	2	2	2	1	
5		1		1	1	1	1	2	2	2	1	1	1	1	1	1	1	1	2	3	1	1	1	2	2	1
6	2	- 1		1	2	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
- 7	0	0		0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1	1	0	0	0	0	0
8	0	٥		D	0	0	0	0	0		0	0	0	0						1	1	0	0	0	0	0
10	2	0		0	0	0	0			0	0	0	0	0	1	1	0	0		0	0	0	0	1	2	0
10	2	1	3	0	0	0	0	0	0	0	0	0	0	0	0	1	2	2	- 1	7	3	1	0	0	0	1
11	0	0	19	0	0	0	0	0	0	1	1	1		1	2	1		1	,	3	1	0	1			
12	1	1	- 3	2	1	1	1	1	1	1	1	1	1	1	- 7	- 1	i	ó	ñ	1	ò	ŏ	ó	ò	ò	:
13	0	0	- 3	0	0	0	0	0	0	0	0	0	1	1	1	ó	o	ō	0	ò	ĭ	ő	ő	ŏ		ò
14	1	0	3	0	0	0	1	1	1	1	1	1	1	1	- 1	ĭ	ĭ	ž	2	0		ő	ŏ	ŏ	0	ĭ
15	0	0		1	0	0	0	0	0	0	0	0	0	0	1	1	1	1	- 7	ō	ò	ň	ŏ	ŏ	ŏ	ó
16	1	1		1	1	0	0	0	:	3	1	1	1	2	2	1	2	1	i	ĭ	ĭ	ĭ	ĭ	õ	ŏ	ĭ
17	0	0		0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	- 1	i		1	ò	1	ŏ	i
18	0	0	1	0	0	0	0	0	0	0	1	0	0	1	2	2	1	1	3	1	•	ò	ī	Ó	õ	- 1
19	0	0		0	0	0	0	0	0	0	0	0	0	0	0	ō	0	0	o	Ó	ò	ŏ	ò	ŏ		ò
20	****	••••	•••		••	••••	• • • •	••••	1	0	0	1	0	0	****	1	0	0	0	0	ō	o	ō	ō	0	ŏ
21	0	0		D	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0
22	0	0		0	0	0	0	0	0		0	0	0	0	0	0	1	0	0	0	ō	ō	ō	0	ō	ō
23	0	0		0	1	1	1	1	2	1	1	1	1	1	1	0	0	1	1	0	0	ō	ŏ	0	0	1
24	0	0	9	0	0	0	0	0	0	1	1	1	2	2	2	1	2	2	4	4	2	2	2	1	1	- 1
25 26	1	1		t	1	1	1	0	0	0	2	1		1	1	1	1	1	1	1	1	1	0	0	0	1
26	0	0	3	0	0	0	1	1	1	1	1	1	1	1	1	1	2	4	4	4	3	4	2	2	2	2
27	2	1		1	1	0	0	0	1	3	1	2	3	4	2	3	4	1	1	1	1	0	0	1	1	1
28	0	1		t	2	2	- 1	,	1	2	4	1	1	2	2 2	2	1	1	1	1	1	1	1	2	5	2
29 30	3	1		!	1	1	1	1	1	1	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
30	0	0	9	0	0	0	0	0	0	1	5	3	1	2	1	1	2	2	2	2	3	1	0	0	0	1
MEAN	1	0	3	0	0	0	0	0	0	1		1	1	1		1	1	1	1		1		0	0		0.7

PERCENTAGE OF DATA VALID - 95.0 PERCENTAGE OF DATA INVALID - 5.0

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEJS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNITS - 0.01 PARTS/MILLION

	ST	ATION	- 0	NO	35005		QUEEN	SWAY	HOSPI	TAL E	TOBIC	OKE				MON	TH -	JUL	77						
HOUR	i	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
DAY																									
1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	1	1	0	1	1	1		1	1	1	0	0	3	15	6	1
4	1			ĭ	1	1	1	1	1	1	2	2	3	2	3	2	3	6	6	5	6	2	1	1	2
-	o	- :		2	- 1		o	0	ò	0	4	1	1	1		1	2	3	2	1	0	1	0	0	1
5		- 1	- 5	- 1	o	o	0	1	1	ō	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	3	1	1		0	0	0	ó	ò	o	ő	o		ő	ő		0	0	0	0	0	0	0	0	0
7	0	0	0	0	0			0	ő	č	o	0	o	ő	2	2	2	2	5	2	2	1	1	1	1
8	0	0	0	0	0	0	0		0		2	2		2	3	2	- 7	- 7	ĭ	- 7	- 7	- 9	1	1	1
9	1	- 1	1	- 1	1	- 1	- 1	1	1	2	ő	- 1	- 1	- 1	ő	ő	ò	ó	- 2	- 4	ó	o	0	0	0
10	1	1.	1	1	- 1	0	0	0	0	0	0	1	,	,	0			0	4	,					
1.1	1	0	0	0	0	0	0	0	0	0	1	1	1.	1	1	1	1	1	2	1	1	1	0	0	1
12	0	0	0	0	0	0	0	0	1	1	3	4	1	3	6	3	2	1	1	1	1	1	1		1
13	1	- 7	0	0	0	0	0	0	1	1	- 1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	ò	ŏ					****		****	****		****	****	****	5	2	2	1	1	4	2	1	1	
15	·			2	- 1	2	2	1	2	2	1			****		****				****	****	0	0	0	*****
16		ò	ņ	0	ó	ō	ō	0	- 7	- 1	- 4	3	3	3	2	2	7	1.1	3	3	2	1	1	1	2
		0	0						****												****			0	*****
17	2	1	- 2		0	0	0	0	0	0		4	0	0		2	4	2	0	0	****	****		****	1
18	0	0	0	0	0	U	0		0	0			DATA		I TO			-							
19													O	1144.4				1		4	4	1	1	1	*****
20	****	****		****		****	****	****					0		,			- 4	4		,				
21	1	1	1	1	1	1	- 1	0	0	0	0	0		1	1	1	1	1	1	1	0	0	0	0	1
22	0	0	0	0	0	0	0	0	0	0	1	- 1	0		1		0	1	1	0	0	****	****	****	0
23	****	****		****	****	****	****	****	0	1	1	1	0	0	0	0	0	1	0	0	0	0	0	1	0
24	1	1	0	0	0	0	0	0	1	1	2	- 1	1	1	1	1	1	1	1	. 1	1	2	2	1	1
25	4		1	,	1	1	1	- 1	1	1	1	- 1	0	0	0	0	0	0	0	0	0	0	0	0	1
26	ò	0	0	o	o	o	o	4		1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0		0		o	ő		o	- 1	2	2	2	2	3	2	2	2	1	1	2	1	2	2	1
		- 0		2		2			3	3	3							****		****	****	****		****	*****
28	2		2							5	3	2	2				1		4	0	0	1	0	0	1
29	****	0		0		0			2		0						- 1	- 4	ò	ő	ő	0	0	ō	0
30	0	0	0	0	0	0	0	0	0	0	0	0	. 0	0	1	1	1	1	0	0		U			
31	0	0	0	0	0	0	0	0	1	0	0	1	2	1	1	2	2	2	2	2	2	. 1	1	3	-1
-																- 1		2	1		1	- 1	1		O.B
MEAN	1	0	0	.0	0	0	0	0	- 1	1	1	1	,	1	1	. 1	,	2				,	1,0		0.0

PERCENTAGE OF DATA VALID - 85.5 PERCENTAGE OF DATA INVALID - 14.5

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. *- INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

POLLUTANT - SULPHUR DIOXIDE UNITS - 0.01 PARTS/MILLION STATION - C NO 35005 QUEENSWAY HOSPITAL ETOBICOKE MONTH - AUG 77 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 MEAN DAY 3 0 1 0 4 12 13 14 15 16 17 18 19 20 0 0 1 0 0 0 0 0 1 1 0 0 1 0 0 0 1 22 23 24 25 26 28 MEAN 0 0 1 0 0 1 1 1 0 0.8

PERCENTAGE OF DATA VALID - 96.4 PERCENTAGE OF DATA INVALID - 3.6

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- *-* INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - SULPH T SIONIDE UNITS - D. DI PARTS/MILLION

		COTA		OLFF	510	AIDE								UNITS	- 0.	O1 PA	RTS/M	[LT 10	4						
	STA	TION	- c	NO ;	35005	C	UEENS	WAY	HOSPI	TAL E	COLICO) K E				MON	тн - :	SEP	77						
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 1	MEAN
1 2 3 4 5 6 7	200000000	100000	0 0 0 0	0 0 0 0 0 1	0 0 0 0 0 1	0 0 0 0	0 0 0 0 0 1	0 0 0 0	0 0 0 0	200200	9000	2002000	2 0 0 1 0 0 0	1 0 0 1 1 0 0	2 6 1 1 1	1 1 1 1 0	1 0 0 1	0 0 1 1 1	0 0 1 1 1 1 1	0 0 0 1 1 0	0 0 0 1 0	0 0 0 0	0 0 0 1 0	0 0 0 0 1 0	0 0 0
8 9 10	0 0 1	0 0 1	0	0	0 0 1	0	0 1	0 2	0 4 1	0 5 1	6	0 6 1	0 3 1	0 4	0 5 1	0 5 1	0 5 1	0 5 0	0 7 0	0 9 0	0 7 0	0 3 0	0 2 0	0 2 0	0 3 1
12 13 14 15 16 17 18 19	0 0 1 0 0 1 1	1 0 0 1 0 0 1 1	0 0 1 0 0 1 1	0 0 1 0 0 0 1	0 1 1 0 0 0 1	0 0 0 0 0 1	0 1 1 0 0 0 0 1 1	0 4 1 1 1 0 0 0 1 1	0 9 1 1 0 0 0	1 6 1 1 0 0 0 1 1	1 4 1 1 0 0 1 1 1 1	1 2 1 1 0 0 1 1 1 1	1 2 1 1 1 1 1 1 1	1 2 1 1 0 1 1 1 1	2 2 1 1 1 0 1 1 1 1 1 1	2 2 1 1 1 0 1 1 1 1 1 1	1 2 1 1 1 1 1 1 1 1 1 1	2 2 1 1 1 1 1 1 1 1 1 1 1	2 2 1 1 1 1 1 1 1 1 1 1 1	1 2 1 1 1 1 1 1 1	1 2 1 0 0 1 0 1 1 1	1 2 0 0 0 1 0 1 1 1	1 2 0 0 0 1 0 1 1 0	1 2 0 0 0 1 0 1 1 0 0	1 2 1 1 1 1 0 1 1 1
21 22 23 24 25 26 27 28 29	000000000000000000000000000000000000000	0 0 0 0 1 1 1 2	0 0 0 0 1 1 1 1	0 0 0 0 0 1 1 1 1	0 0 0 0 0 0 2 1	0 0 0 0 0 2 1 1 1	000000	0 0 0 0 0 0 2 1	0 0 0 0 0 2 1 1 2	0 0 0 0 0 1 1 1 3	0 0 0 0 0 0 1 1 1 1 2	0 0 0 0 1 1 1 1 1 2	0 0 0 0 0 0 1 1 1 1 2	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 1 1 2 1 1	0 0 0 0 1 2 2 1 1	0 0 0 0 1 1 1 1 1	0 0 0 0 1 1 1 1 1	0 0 0 0 1 1 1 1 0	0 0 0 0 0 1 1 1 1 0	0 0 0 0 1 1 1 1 0 0	0 0 0 1 1 1 1 0	0 0 0 0 1 1 1 1 0	0 0 0 0 0 2 1 1 1 0	0 0 0 0 0 1 1 1 1 1 1 1
MEAN	1	0	0	0	0	0	0	1	1	t	1	1	1	1	1	1	1	1	1	1	1	,	0	0	0.7

PERCENTAGE OF DATA VALID - 98.9 PERCENTAGE OF DATA INVALID - 1.1

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. ****** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. . " INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEJS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POL	LUTANT	. 5	ULP	HUR DIO	XIDE								UNITS	- 0.0	D1 PAI	RTS/MI	LLIO	N						
	STA	TION -	C	NO	35005	q	UEEN	SWAY	HOSP	TAL E	TOBLO	OKE				MON	rH - c	CT	77						
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	1.9	20	21	22	23	24 M	EAN
1 2 3 4 5 6 7 8 9	000000110	0 0 0 0 0 0 1 1 0	0 0 0 0 0 0 1 1 0	000000000000000000000000000000000000000	000000000000000000000000000000000000000	000000000	000000000	000000000000000000000000000000000000000	00000000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	00000	0 0 0 1 . 2 0 0	0 0 0 1 . 1 2 0 0	0 0 0 1	0 0 0 0 1 - 1 1 0 0	0 0 0 1 1 0 0	0 0 0 1 - 0 1 0 0	0 0 0 1 0 0	0 0 0 1 - 0 5 0 0	0 0 0 1 . 0 3 0 0	0 0 0 1 0 0	0 0 0 0 1 - 0 0 0	0 0 0 0 1 0 0
11 12 13 14 15 16 17 18 19	0102210200	0 1 0 2 2 1 0 2 0 0	0 1 0 2 2 1 0 2 0 0	0 1 0 2 1 1 0 3 0	0 1 0 2 1 1 0 2 0 0	0 3 1 1 0 2 0 0	0 1 0 3 1 0 0 3 0 0	0 1 3 2 0 7 1	0 1 3 2 0 6 2	0 1 2 2 2 1 0 6 2 1	0 1 2 2 1 1 0 7 2	0 1 2 2 3 1 0 8	1 14 2 7 1 1 7	6 1 5 4 1 1 4	6 1 2 1 3 1 1 2 1	6 1 2 1 2 1 2 4 1 1	3 1 1 2 2 1 1 2 1 1	2 1 1 2 1 1 2 1 1	2 1 1 1 2 1 0 4 1	2 1 1 1 1 1 0 4 1 1 1	1 1 2 1 1 2 1 1	2 1 2 1 2 1 1 2 1 1	1 1 2 2 2 1 1 1 1 1 1	1 3 3 1 1 1 1	1 1 2 2 2 1 0 4 1
21 22 23 24 25 26 27 28 29 30	0 2 0 1 1 2 0 1 0	0 3 0 1 1 1 0 0	0 2 0 2 1 1 0 0 0 1	0 2 0 2 1 1 0 0 0 1	1 2 0 2 1 1 0 0 0 0 0	1 2 1 2 1 0 0	1 1 0 0 0 0	2 1 1 2 3 3 1 0 0 0	2 1 1 2 3 2 1 1 0 0	2 1 4 5 2 2 1 0 1	3 1 2 3 6 3 1	2 1 1 4 7 3 1 0	1 0 1 4 5 4 1 0	1 0 1 4 2 5 1 0	1 1 0 1 2 2 1 1 0 0	1 2 0 1 2 1 0 0	1 1 0 1 2 1 1 2 0 0	2 1 0 0 2 1 0 0 0 0	1 1 0 0 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 0 1 3 0	2 1 1 4 0 1 1 0 0	1 0 3 0 1 0 1 0	1 1 1 1 0 1 0 0 0	2 1 1 1 1 0 1 0 0 0 0	1 1 0 1 2 2 1 1
31 MEAN	1	1	1	1	0	1	0	••••	1	1	,,,,	1	2	1	i	1	,	1	0	1	0	0	1	0	0.9

PERCENTAGE OF DATA VALID - 97.0 PERCENTAGE OF DATA INVALID - 1.3

PERCENTAGE OF DATA UNAVAILABLE - 1.6

- 2. -- INDICATES DATA IS UNAVAILABLE
- 3. " *** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - SULPHUR DIOXIDE UNITS - 0.01 PARTS/MILLION

														Old L	3 . 0	. 01	ARIST	ATTTI	UN							
	5	CITAT	N -	C NO	3500	5	QUEE	NSWAY	HOSP	ITAL	ETOBI	COKE				MO	NTH -	NOV	77							
DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	0		0	0	0	0	0	0	0	0	0	0	1	1		0	0	0		0		-				_
2	0		0	0	0	0	0	0	1		1	1				ő	ő	ō	- 1		0	0	0	0		0
3	0	0	0	0	0			0	1	1	Ý			- 1	- 1	1	1	1	0	0	0	0	0	0		0
4	1	1	1	7	- 1	0			- 4	o	0				- 1		o		0	0	0	1	1	1		1
5	0	0	0	0	0			0	á	0		ó	0	0	0	o o	0	0	0	0	0	0	0	0		1
6	0			0				0	ő	·	ĭ			·			U	0	0	0	0	0	0	0		0
7	0	0		0									o		1	1		1	0	0	0	0	0	0		0
8	ō			o			0	0	0	0					0		0	0	0	0	0	0	0	0		0
9	1	ĭ		1					U		0	0	0	2	0		****	0	- 1	1	1	1	- 1	1		0
10	1	- 1	- 1	- 1	- 1	- 1		1	- 1	- 1	1		2	2	2	2	2	1	- 1	1			****	1		1
, ,	- 20		,		,	11	1			1	1	1	1		1	1	1	1	1	1	1	1	1	1		1
1.1	1	1	1	1	- 1	1	1	1	1	1	1	1	0	1	1	1	1			1			,			
12	1	1	1	1	1	- 1	1	1	3	1	1	1	1	1	- 1	1	1	1	- 1	1	- 1	- 1				
13	1	1	1	- 1	1	1	1		0	- 1	1	1	1	1	1	1	- 1	0	0	o	ò	0	ò	o		
1.4	0	0	0	0	0	1	1	1	1	- 1		****	****		****		- 4		Ÿ		Ų.	Ÿ				
15	1	1	2	3	3	2	2	2	3	4	3	3	3	4	4	3	2		- 1	- 1	- 1	- 1				
16	1		1		1	1	1	3	2	2	3	2	1	1	7	,	- 1	- 4	1	1	- 1	1	1	. !		2
17	1	1	1	1	1	1	1	1	2	1	1	1	1		,	,			- 1	1	1	1	1	1		1
18	.2	1	2	2	1	2	2	1	- 1	- 1	1	1	,		- 1	- 1			- 1	1	0	0	1	1		
19	1	1	1	- 1	2	2	1	1	ó	Ó	0	0	- 1			- 2	- 2		1,7	1	1	2	1	1		1
20	0	1	, i	1	1	- 1	1	i	,	1		,	- 4	- :	. !	- 3	- 3	- 1	0	0	0	0	0	0		1
								,	,			,	,		,	1	4	1	3.	1	1	1	1	1	1	1
21	2	3	4	3	3		2	1	1	2	1	1	****	1	0	0	0	1	- 1	0	0	0	0	0		4
22 23	0	1	2	0	0	0	0	2	0	0	0	0	0	o			0	o	o	0	ő			2		
23	1	1	1	1	1	1	1	1	1	1	0	o	0	ō		ŏ	o	o	0	0		2	2	2		2
24	1	1	1	2	2	2	1	- 1	1	1	1	1	1	ĭ		1	ř	2	3	3	1	- 2	ő	ő		
25	0	0	0	0	0	0	1	0	0	- 1		1	,	- 4	- 1	- :	- 1	2	3		1	1				1
26	1	1	1	1	1	1	1	0	o			'n		- 1	- 1	- 1		ő	2	2	2	2	2	2		1
27	0	0	0	0	0	1	1	1	1		- 4	ĭ	2			- 2	Ÿ		0	0	0	0	0	0		1
24 25 26 27 28	0	0	0	0	0	o	0	o	ó		- 4			2		!	!	0	0	. 0	0	0	0	0		ı
29			-								,		DATA	INVA	110		****	****					****	****		,
30	****	****	****	****			****	****	****		****		DAIA.	I NVA	LIU .							- 2	-	-		
												****	1	,	1	1	1	1	1	0	1	0	0	0	******	,
MEAN	1	1	1	1	1.	1	1	- 1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.8	3

PERCENTAGE OF DATA VALID - 91.3

PERCENTAGE OF DATA INVALID - 8.1

PERCENTAGE OF DATA UNAVAILABLE - 0.7

NOTES 1. ****** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEJS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

POLLUTANT - SULPHUR DIOXIDE UNITS - 0.01 PARTS/MILLION QUEENSWAY HOSPITAL ETOBICOKE STATION - C NO 35005 MONTH - DEC 77 HOUR В 12 13 14 15 16 17 18 19 20 21 22 23 24 MEAN 0 1 0 ò ò o o o ò 0 0 1 14 15 16 17 300. o 3 0 ō o 22 23 24 25 26 0 2 1 MEAN ĵ 0.8

PERCENTAGE OF DATA VALID - 98.8

PERCENTAGE OF DATA INVALID - 1.2

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. *- * INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEJS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

C. ARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1977

POLLUTANT - SULPHUR DIOXIDE UNITS - 0.01 PARTS/MILLION

STATION .	C NO 35005	QUEENSWAY HOSPITAL ETO	BICOKE		
MONTH	NO OI	F DAYS AVERAG	E CONCENT 24-HOUR	MAXIMUM	MAXIMUM READING
w. 4	;	31	2.3	7	11
FEB	:	28	2.0	7	14
MAR	:	30	1.2	2	6
APR	:	29	1.1	3	8
MAY	:	30	1.0	3	17
JUN	1	28	0.7	2	7
JUL	:	25	0.8	2	15
AUG	;	30	0.8	3	8
SEP	;	30	0.7	3	9
ост	;	30	0.9	4	14
NOV	;	27	0.8	2	4
DEC	;	31	0.8	2	5
YEAR	34	49	1,1	7	17

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

MONTHLY GR	OUP F	REQUE	NCY	DIST	SIBUTION	FOR	1977							
POLLUTANT -	SULP	HUR D	10x1	DE							UNIT	s - o.	O1 PARTS/MILLI	ON
STATION -	C N	0 350	05	QL	JEENSWAY	ноѕ	PITAL	ETOB	LCOK	E				
MONTH	00 T	0 04	05	TO 10) 11 TO	14	15 TC	25	26	TO 39	40 &	OVER	TOTAL	
JAN		637		92	2	2		0		0		0	731	
FEB		609		49	•	8		0		0		0	666	
MAR		723		9	3	0		0		0		0	729	
APR		683		1.4	1	0		0		0		0	697	
MAY		707		19	•	0		1		0		0	727	
JUN		680			1	0		0		0		0	684	
JUL		624		10)	1		1		0		0	636	
AUG		703		14	1	0		0		0		0	717	
SEP		698		1.4	1	0		0		0		0	712	
OCT		704		17	,	1		0		0		0	722	
NOV		657)	0		0		0		0	657	
DEC		732		Ş	3	٥		0		0		0	735	
YEAR		8157		24:	2	12		2		0		0	8413	

FREQUENCY	DISTRIBUT	ION BY P	ERCENTILES									
	PERCENT		=2.				TRATIONS					
	OF DATA				FREQUENCY	DISTR	IBUTION.	PERCENT				ARITH
	VALID	MIN	10	30	50	70	90	95	98	99	MAX	MEAN
	96.0	0	0.0	0.0	0.4	0.8	2.0	3.0	4.9	6.1	17	1.1

POLLUTANT - SULPHUR DIOXIDE UNITS - 0.01 PARTS/MILLION

																W	N 1 37 W	ILLIO	PK.							
	STA	TION	- C	NO	35033	3	EVANS	/ARNOL	D AVI	E, ETO	00180	KE				MON	ìH -	JAN	77							
DAY	1	2	3	4	5	6	7	В	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	ı
1 2 3 4 5 6 7 8 9	0 0 1 6 1 0 3 0 2 1	0 0 1 9 1 1 3 0 1 1	1 0 1 6 0 1 2 0 0	011402200	1 0 1 3 0 2 2 1 0	0 0 2 3 0 3 3 1 0	0 0 2 2 0 3 4 3 1	0 0 1 2 1 4 4 5 1	0 0 1 1 1 7 3 6	0 0 1 1 6 0 5 1	1 0 2 1 0 4 0 3 1	1 0 2 0 0 4 0 4	1 0 4 1 0 2 0 3 2	0 3 1 1 0 4 2	1 0 1 1 0 3 2	1 0 1 0 1 4 0 4 2	1 1 0 1 7 0 4 3	0 1 0 0 1 8 0 2 2	0 1 0 0 1 9 0	0 1 1 0 1 6 0 2	0 1 1 0 0 3 0 2 2	0 1 1 1 0 2 0 2	0 1 1 0 2 0 2 1	1 1 3 1 1 3 0 2		0 0 1 2 1 4 1 2 1
11 12 13 14 15 16 17 18 19	2 2 0 6 6 0 3 0 0 0	2 1 0 5 5 0 2 0 0 0	2 1 0 5 3 0 0 0 0 0	1 0 5 3 0 0 0	1 0 5 3 1 1 0 0	1 1 0 5 2 1 0 0 0 1	1 1 1 5 2 0 0 0	0 1 1 6 1 1 0 0 0	1 0 2 1 6 1 0 0 1 0 0	1 1 1 7 2 0 0 0 0 0 0	0 1 7 2 0 0 0	2 0 1 1 7 2 0 0 0 1 0	0 1 2 5 2 **** 0 0	0 0 1 7 1 0 0	1 0 1 8 1 0 0 0 0 0	0 0 0 1 0 0	1 0 0 3 5 1 0 0 0 1 1	1 0 0 3 6 1 0 1 - 0 0	1 0 0 5 7 0 0 1 - 0 1	1 0 0 5 8 1 0 1 0 0	0	0 2 7 0 0 1 0 0	1 0 2 6 0 0 0 0	1 0 8 6 0 2 0 0 0 1		1 1 2 6 2 0 0 0 0
21 22 23 24 25 26 27 28 29 30	2 5 4 0 1 1 1 0	2016300200	1 0 0 6 3 0 0 2 1 1	1 0 0 5 3 1 0 2 1 1	1 0 0 5 3 1 0 2 1	1 0 2 4 3 0 0 5 1	1 0 2 4 3 0 0 4 1 2	1 0 1 5 3 0 0 2 1 1	1 0 1 4 4 0 1 2 1 1	1 0 2 3 4 0 0 3 1 1	0 0 1 2 3 1 0 3 1	3 1 1 4 1 1	1 0 2 9 3 2 1 2 1 1 2 1	2	4 0 4 10 3 5 0 1	2 0 5 8 2 3 0 1 1	1 0 7 7 1 1	1 8 6 1 3 1 1	1 4 5 5 1 1 1	0 1 7 6 0 1 1 0	0 1 10 4 0 1 0 0	1 1 12 5 0 2 1 0 1	2 1 7 5 0 6 1 0 0	1 1 5 4 0 1 1 0 0 1		1 0 4 6 2 2 0 2 1 1
31 MEAN	2	2	1	1	1	1	1	1	1 2	1	1	1	1 2	****	1 2	1 2	1 2	1 2	1 2	1 2	1	1	0	1 2	1.	1
															-	-	-						0.00	-	10	9

PERCENTAGE OF DATA VALID - 97.6 PERCENTAGE OF DATA INVALID - 1.9

PERCENTAGE OF DATA UNAVAILABLE - 0.5

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POL	POLLUTANT - SULPHUR DIOXIDE UNI														TS - 0.01 PARTS/MILLION										
	STA	STATION - C NO 35033						EVANS/ARNOLD AVE. ETOBICOKE								MONTH - FEB 77										
HOUR DAY	1	2	3	4	5	6	7	8	9	10			13	14	15					20	21	22	23	24	MEAN	
1 2 3 4 5 6 7 8 9	1 0 6 0 0 0 0	1 0 6 0 2 0 1 1 4 1	1 14 0 1 0 1 1 4 1	1 0 9 1 0 0 1 1 5	0 1 7 0 0 1 1 1 1 4 1	0 0 6 0 0 1 1 5 0	0 0 0 0 2 1 1 5 0	0 0 4 0 0 2 1	0 0 4 0 0 2 1 1 5 1	1 0 4 0 0 2 1 3 5 0	0 1 3 0 0 2 1 5 5	3 0	2	1 0	1 0	1 0 1 0 5	0 1 1 0 0 0 0 0 0 3 4 1	0 1 0 1 2 3 1	0 1 0 0 1 0 0 2 4	0 0 2 0 0 2	1 2 0 0 3 0 0 3 4	0 4 0 0 1 0 0 2 3 1	0 4 1 0 1 0 2 3	0 0 0 0 0 1 4 3	1 3 0 1 1	
11 12 13 14 15 16 17 18 19 20	1 1 1 0 0 0 3 2 2 2	1 1 1 1 0 0 4 2 2	1 0 1 1 0 0 4 2 3	2 0 1 1 1 0 0 3 2 4	2 0 1 1 1 0 3 2 4	2 1 1 1 1 1 0 7 2 3	2 0 1 1 1 1 0 9 2 2	1 1 2 0 10 2 2	2 1 1 1 1 2 0 10 1	1 1 1 2 0 6 1 2	2 1 1 1 1 2 0 7	2 2 1 1 1 1 1 7 1 2	2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1011	2 1 1 2 2 1	1 1 1 2 0 1 1 1 1 1 1 1 1	1 1 1 0 0 1 1 8 1 1	1 1 0 0 0 1 6 1 1	2 1 0 0 0 1 8 2	1 1 0 0 0 0 0 2 8 1	1 1 0 0 0 1 6 1	1 1 0 0 0 5 4 1	1 1 0 0 0 5 3 2	1 1 1 2 0 0 1 2 2	1 1 7	
21 22 23 24 25 26 27 28	0 0 0 0 0 1	1 2 0	1 4 2 1 0 - 1 1	1 6 1 1 0 . 2 1	1	2 1 3	1 5 0 3 **** 1 1	1 3 0 3 0 1 2	1 1 4 4	1 2 2 1	1 2 1 0	0001	0	0	1 3 1	1 2	0 1 3 3 1 1 2 1	0 1 3	1	1 2 	1 2	2 0 3	0 1 2 0 1 1 1 1	1 1 1 1 1 1 1 1 1	1 2 1	
MEAN	1	1	2	2	2	2	2	2	2	2	2	1	2	2	2	2	1	1	1	1	1	1	1	,		

PERCENTAGE OF DATA VALID - 93.6 PERCENTAGE OF DATA INVALID - 5.5

PERCENTAGE OF DATA UNAVAILABLE - 0.9

- 2. *- INDICATES DATA IS UNAVAILABLE
- 3. ******* INDICATES LEJS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNITS - 0.01 PARTS/MILLION

	7.56.90	Section District																							
	STA	TION -	C	NO :	5033	E	VANS/	ARNOL	DAVE	. ETC	BICOM	(E				MON	TH - N	AR	77						
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 M	EAN
1 2 3 4 5 6 7 8 9	1 0 1 1 1 0 1	1 1 3 1 1 1 1 0	1 1 2 1 1 - 2 0 3	1 1 1 1 1 2	1 1 2 1 1 1 1 1	1 1 2 1 1 1 1 0 2	1 1 1 2 1 1 1 1 0	1 1 1 1 1 0 2	1 1 3 2 1 1 1 1 1 2	1 1 4 2 1 1 1 1 2 1	1 1 1 1 1 2 1	1 1 1 1 1 1 2 1	1 1 1 1 1 2 1	0 1 2 1 1 1 1	1 1 1 1 2 1 2	0 1 1 1 1 1 4 1 3 2	0 1 2 1 1 1 4 1 3 2	0 1 2 1 1 4 1 2 1	0 2 1 0 1 1 3 0 2 1	1 2 2 1 1 1 3 0 2 1	1 2 2 1 1 1 3 - 2 1	1 2 2 1 1 2 - 2 1	2 2 1 1 1 2 0 2 1	1 2 2 1 1 0 2 0 2 0	1 1 2 1 1 1 1
11 12 13 14 15 16 17 18 19	2 1 0 1 1 0 1 0 5	2 1 0 0 0 0 1 0 7	2 1 0 0 0 0 1 0 5	1 2 1 0 0 0 0 1 0 3	1 0 0 0 0 1 1 0 2	2 1 1 0 1 0 1 1 0 3	3 2 1 0 1 0 0 1 2 2	5 2 0 0 2 0 0 1 1	5 2 0 0 1 0 0 1 2 2	3 1 0 1 0 0 1 2 2	2 3 1 0 1 0 0 1 2 2	2 3 1 0 1 0 0 1 1 2	3 2 1 0 0 0 0 0	3 2 0 0 0 1 1	2 1 1 2 0 0 0	4 2 1 0 2 0 1 0 2 2	3 1 0 1 0 0 0 2	3 1 0 2 0 1 0 2	3 0 0 0 1 0 1 1 1	2000101011	2 0 0 1 1 0 2 0 4 1	1 0 2 0 4 1	3 1 1 2 0 3 0 2 1	2 1 1 1 0 3 0 3 1	0 1 1 1 2
21 22 23 24 25 26 27 28 29 30	2 1 1 0 1 1 2 2 1 1	2 1 1 1 2 2 1 1 1 1	2 2 1 1 1 2 1 1 1	1 0 1 1 2 1 1 1	1 2 1 1 1 5 2 1 2	1 1 1 0 1 6 1 1 1	1 1 1 1 5 1 1 1	1 0 1 1 0 3 1 1 3	2 1 1 1 2 0 1 1 1 2	2 1 0 1 2 0 1 2	2 0 1 2 0 1 3 2	3 1 1 2 0 1 1 4 2	2 1 1 0 0 0 1 1 5 2	3 1 0 0 0 1 0 3 3	0 0 2 1 2	2000012122	3 0 1 1 0 1 2 1 2 2	3 0 1 0 1 1 2 1 2 2	4 0 1 0 2 2 2 1 . 1	3010232111	100011211	1 0 0 0 1 1 2 1 1 1	00011002	1 0 0 1 1 2 2 2 1	2 1 1 1 1 2 1 2 2
31	2	1	1	1	0	1	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	1.2
MEAN	1	1	1	1	1	1	1	- 1	1	1		1	1		1			-	- 1						

PERCENTAGE OF DATA VALID - 97.6

PERCENTAGE OF DATA INVALID - 1.6

PERCENTAGE OF DATA UNAVAILABLE - 0.8

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

POLLUTANT - SULPHUR DIOXIDE UNITS - 0.01 PARTS/MILLION STATION . C NO 35033 EVANS/ARNOLD AVE. ETOBICOKE MONTH - APR 77 8 9 10 11 16 17 18 20 21 22 23 24 MEAN HOUR 000013 11 12 13 14 15 16 17 18 19 20 2 2 1 0 0 0 000 1 1 0 0 21 22 23 24 25 26 27 28 29 30 00 00. 0 0 00 .0 000100 0001001 000000 0005001 00021 1.0 1 2 MEAN

PERCENTAGE OF DATA VALID - 93.2

PERCENTAGE OF DATA INVALID - 5.4

PERCENTAGE OF DATA UNAVAILABLE - 1.4

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNITS - 0.01 PARTS/MILLION

	STA	TION -	C	NO 3	5033		EVANS/	ARNO	LD AV	E. ET	08100	ΚE				MON	тн - 1	VΑY	7.7						
HOUR	1	2	3	4	5	6	7	В	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 M	EAN
1 2 3 4 5 6 7 8 9	1 2 0 1 1 0 0 0 0 0 0 0	1 2 0 2 1 0 0 0 0 1	1 1 0 2 1 1 0 0 0 0	0 1 0 2 1 1 0 0 0 0 0	1 0 2 1 1 0 0 0 0	1 1 0 2 1 1 0 0 0 0	1 0 0 1 0 1 0 0 0 0 0	2 0 0 3 0 1 0 0	3 0 0 1 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0	3000	2 0 - 2 0 1 0 0 0 0 0 0	1 0 0 0 0 0 0 0 0	2 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0	2 0 0 0 1 0 0 0 0 0 0 0 0	200000000000000000000000000000000000000	3 0 0 1 0 0 0 0 0 0	500000000000000000000000000000000000000	000000000000000000000000000000000000000	000000000000000000000000000000000000000	2 0 0 1 0 0 0 0	2 0 1 1 0 0 0 0 0 0 0	3 0 1 1 1 0 0 0 0 0 0	0 1 1 0 0 0 0 0 0	0 0 0 0 0 0 0
11 12 13 14 15 16 17 18 19	0 0 0 0 1 1 0 0 0 0 2	0 0 0 1 2 0 0 0 1	0 0 0 1 2 0 0 0	0 1 0 1 2 0 1 0 0	0 1 0 1 1 0 0 0 1	0 0 0 1 1 1 0 0 1	1 0 0 1 2 2 0 0 0 2	0 0 0 1 1 1 0 0 1	0 1 0 0 0 2 1 0 0 0 0 0 0 0 0 0 0 0 0 0	1 1 0 0 0 1 1 0 0 1	0 0 0 0 1	0000021002	000000000000000000000000000000000000000	0 0 0 0 1 0 0 2 2	1 0 0 1 0 1 0 0 2 2	1 0 0 0 1 0 0 1 1	0 0 0 0 0 0 1 1	1 0 0 0 0 0 0 0 1	600000000	11 0 0 0 0 6 0 0 0 2	00004	2 0 0 0 0 0 0 1 1	2 0 0 0 1 0 0 0 2 1	1 0 0 0 1 0 0 0 4 1	1 0 0 0 1 1 0 0 1 1
21 22 23 24 25 26 27 28 29 30	1 0 0 0 0 0 0	0 1 1 0 0 0 1 0 0 0	0 1 0 0 0 0 1 0	0 1 0 0 0 0 2 0 1 0	1 1 0 0 0 0 2 0 1 0	1 2 0 1 0 0 1 0 1 0	0 0 0 0 2 0 1 0	1 2 1 1 0 0 1 0 1 0	1 1 2 0 0 1 1 1	2 1 4 1 0 0 0 1 1 0 0 0	2 1 3 2 0 0 1 1 0 0	2 1 1 1 0 0 0 1 0 0	4 1 0 1 0 0 3 0 0	1 1 1 0 1	2 0 1 1 0 0	4 1 3 1 0 0 1 0 0 0	2 1 2 0 0 1 2 0 0 0	30032000	1 0 0 2 1 0 0 0	1 1 0 0 2 0 0 0 0	3 0 0	1 0 0 0 0 0 0	1 0 0 0 1 0 0 2	0 0 0 0 1	2 1 1 1 0 1 1 0 0 0 0
31	1	0	0	0	0	0	1	0		0	• • • •	4	5	6	5	5	5	5	5	4	4	3	2	2	3
MEAN	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	- 1	1	1	1	1	0	1	1	0.6

PERCENTAGE OF DATA VALID - 97.6 PERCENTAGE OF DATA INVALID - 1.7 PERCENTAGE OF DATA UNAVAILABLE - 0.7

NOTES 1. "**** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
 - 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	PO	LLUTA	۹T -	SULP	HUR DI	OXIDE								UNITS	- 0.0	D1 PA	RTS/M	ILLIO	N							
	ST	ATION	*	c No	35033	9	EVANS	/ARNO	LD AVE	, ET	овісо	KE				MON	тн -	JUN	77							
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1 2 3 4 5 6 7 8	0 0 0 0 2 1	0 0 0 0 2 1	2 0 0 0 0 2	0 0 0	0	2 0 0 0 1 2 1 0	0 0 0 1 1 1 1	1 0 0 0 1 1 1	2 0 0 0 1 1	0 0 0 1 1 1	0 0 1 0 1	2 0 1 1 0 1 1 0	0 0 1 1 1 0	1 0 0 1 1 1 1 0	1 0 0 1 1 1 1 0	0 0 0 1 1 1 0	0 0 0 1 1 1 0	1 0 0 1 2 1 1 0	1 0 0 1 3 1 1 0	0 0 1 1 2 1 0	0 0 1 1 1 1 1 1	0 0 1 1 1 0 0	0 0 0 2 1 1 0	0 0 0 2 1 0 0	1 0 0 0 1 1 1	
9	0	1	1	1	1	1	1	1	1	0	0	0	0	0	0	1	0	0	1	2	1	0	0	0	1	
11 12 13 14 15 16 17 18 19 20	0 1 0 1 0 0 0 0	0 1 0 0 0 1 1 0 0 0	0 1 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 0 1 1 0 0 0	0 1 0 1 0 0 0	0 1 0 0 0 1 0 0	1 1 0 0 0 1	1 0 0 0 1	1 1 0 1 1 0 0 1 1 0 0 1	1 0 0 1 1 0 1	1 1 0 0 1	1 0 1 1 1 1 0 1	1 0 1 0 1 0 1	1 0 2 1 0 1 0 1	1 0 2 1 1 0 0	1 1 0 2 1 1 0 0 0	0 2 0 1 0 0	1 1 1 0 1 0 0	0 0 1 1 0 1 0 0	00000	000000000000000000000000000000000000000	1 0 0 0 0 0 0	1 0 3 0 0 0 0 0 0	1 1 0 0 0 0 0 0	
21 22 23 24 25 26 27 28 29 30	0 2 0 0 0 1 1	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		2 2	0 1 2 2	1 2 0		0	2 0 1 2 0	2 0 1 0 1 1 2 1	2 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2 0 1 0 0 0 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	2 0 1 0 0 0 0 4 4 4 4 4 4 4 4 4 4 4 4 4 4	000000000000000000000000000000000000000	4 0 0 0 0 1 3	0 1 4 1 0 0 0 0 0 1 3	0 0 4 1 0 0 0 1 3 3 1	0 0 4 1 0 0 0 1 4 4 1	0 1 4 1 0 1 4 4 1	0 0 3 1 1 0 1 2 1	0 3 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 1 2	0	1 2 0 0 · · · · · 0 0 1 1 2 1	1 0 2 1 1 1 2 0 . 7	
PERCE	NTAGE	OF D	ATA	DIJAV	- 89.	7		PERC	ENTAGE	OF	DATA	INVAL	1D -	8.8		P	ERCEN	TAGE (DF DA	TA UN	AVAIL	ABLE	- 1.	5		

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

BOLLUTANT CHARGE DISKING

UNITS - O OL PARTS/MILLION

	PO	LLUTA	NT -	SULPI	HUF D.	OXIDE								UNIIS	- 0.	UI PA	KIS/N	MILLIC	IN						
	51	ATION		C NO	35033	3	EVANS	/ARNO	DLD AV	E, ET	03180	KE				MON	тн -	JUL	77						
HOUR DAY	1	2	3	4	5	6	7	8	9	10	1.1	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1 2	2	2	2	1	1	2	1	2	1	1	1	1	1	1	1	1	1	1	2	1	1	1	!	1	1
3	1	1.	1	1	!				!			2		1	2	- 1	0			0	'n	0			
-								••••		••••						2	2	2	2	2	2	2	2	2	
6	2	2	2	1	1	1	1	1		1	1	1	1	1	1	1	1	1	- 7	- 7	1	1	1	1	1
7	ī	ī	ī			2	•	÷	0	0	1	1	í	0		1	1		1	1	1	1	1	1	1
8	- 1	1	1	1	1	1	1	1	0	1	1	1	1	2	2	1	2	2	2	2	2	1	1	1	1
9	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	- 1	- 1	- 1	1
10	1	••••	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	••••	1	1	10	1	1	1	,
11	1	1	1	1	1	1	1	1	1	1	1		4	4	4	4	4	4	4	3	3	3	3	2	2
12	2	2	2	3	2	2	2	2	2	2	2	2	2	2	2	2	3	2	2	2	2	2	2	2	2
13	2	1	1	1	1	1	1	1	1	1	1	1	- 1	1	1	1	1	1		1	1	0	0	0	1
14	0	1	0		0	0	0	0	0	1	1		1	. į.	5	6	5	4	3	2	2	2	2	2	2
15	2	1	1		1	1	1.50		1	••••	••••	••••	6	6	-	- 2			••••	1	1	1	- 1	- 1	•••••
16	0	1	0		0	0	0	0	0	1	1	1		1		1	2	2	- 1	2	****		1	- 1	3
17	- 1	1	1	1	1	1	1		1	0	0	!	0	0	1		0	ò		1	1	1	ò	ò	
18	1	1	1			- 1	0	0	0	o	0		٠	1	0	0	2	2	0	0	0	Š	2	2	1
19	0	0	0		0	0		0	0	6			6	6	6	5	5		4	4	4	á	3	3	4
20	2	2	2	,				3.0	-		٠				-	-		-	-	37.					-
21 22 23 24	3	3	3	3	3	3	2	2	2	••••	1	740	DATA DATA DATA	I NVAL I NVAL I NVAL	LID . LID .	1	0	0	0						
25	****																								
26 27													DATA	INVA	LID -		.=========		000 = 0.000	_	_				
28												- 4	DAIA	0	0	0	0	0	0	0	0	- 1	0	0	
30	0	0	0	0	0	0	0	0		0	ò	ó	o	•	1	1	ĭ			ŏ	ō	ó			0
31	0	0	0	0	0	0	0	0	О	0	0	0		1	1	1	1	••••	1	0	0	٥	0	0	0
MEAN	1	1	1	1	1	1	1	1	1	1	1	1	2	1	2	2	2	2	1	1	1	1	1	1	1.2

PERCENTAGE OF DATA VALID - 67.6

PERCENTAGE OF DATA INVALID - 30.0

PERCENTAGE OF DATA UNAVAILABLE - 2.4

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. *- " INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

POLLUTANT - SULPHUR DIOXIDE UNITS - 0.01 PARTS/MILLION STATION - C NO 35033 EVANS/ARNOLD AVE. ETOBICOKE MONTH - AUG 77 HOUR DAY 8 9 10 11 12 13 14 15 16 17 24 MEAN 00 ...0 0 0 0 0 0 0 2 3 11 12 13 14 15 16 17 18 19 20 0 0 0 1 0 0 2 0 2 2 21 22 23 24 25 26 27 28 31 2 2 MEAN

PERCENTAGE OF DATA VALID - 89.8

PERCENTAGE OF DATA INVALID - 10.1

PERCENTAGE OF DATA UNAVAILABLE - 0.1

- 2. "." INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNITS - 0.01 PARTS/MILLION

															- 19	(F. Se. C)	M. 1									
	ST	OITAT	Ν -	C NO	3503	3	EVAN	5/ARN	OLD A	VE, E	товіс	OKE				MO	NTH -	SEP	77							
DAY	1	2	3	4	5	6	7	В	9	1.0	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	3	2	2	3	2	2	2	2	1	1	1	2	2	1	2	2	2		2	2	2		î	ř		5
2	1	1	1	1	-1	1	1	1		1	1	2	- 1	- 4	- 7	2	- 2		2				2		1	
3	2	2	2	2	2	2	- 1	1		1	1	- 7		- 1	2				~	~	2			2		
4	2	2	2	2	2	2	- 1		- 2	- 1	- 1	- 1	- 1	- 4	2	2	2	2	2 2 2	2	2	2	1		4	l.
5	2	2	2	3		2	- 1	- ;	- 2	- 4	- 0	- 1		1	- 2	- 2		1	2	2	2		2	2	2	ž.
6	2	2	2			2	2	2		2	2	1			1	1					2	2	2	2	2	t.
7	2	3	3		3	3	2			- 2		2	3	3	3	3	2	2	2		2		2	2	2	ž.
8	2	2	2		2	2			2	2	2	2 2	2	2	2	2 2	2 2 2	2	2		2	2	2	2	2	į.
9						2	2	2		****	2		2		3 2 2 3	2	2		2	2	2	2	2	2	2	1
	2	2				- 3	2		2	****	2	3		3			3	3	3	3	3	2	3	3	2	£.
10	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	ľ
11	1	1	- 1	- 1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
12	1	1	1	- 1	2	- 1	2	****	6	7	5	4	3	2	2		3		2	2	3			3	3	į.
13	3	3	3	3	3	3	3	3	3	3	3	2	2	- 1	- 1	- 1	1		ō	ō	ő	0	0	ő		
14	0	0	0	0	0	0	0	0	0	0	0			7	7	6					4	4	4	4	4	
15	3	3	3	2	2	3	3	3	2	3	3	3	2		3		3			5	4	4	2	3	4	
16	3	2	3			2	2			0	****	0	ő	3	0				2	2	3	0	- 2	0	3	1
17	0	ñ	ő		ō	ō	ō		0	0	0	0	0	0					0	0	0	0	0			
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19	0	o	ő	ő	0	0	0			****		0	0	0	0		0		5 2 0 0 0	0	0	0	0	0		1
20	0	0	0			0		0	0		0	0	****	0	0		0				0	0	0	0	.0	į.
20	U	U	U		0	0	0	0	0	0	0	****	- 1	2	2	2	2	2	2	2	2	2	1	.1	1	
21	1	1	1	1	1	1	1	1	1	1	1	1	1	- 4	1	1	1		1	1	1	1	1	1	1	
22	3	1	1	.1	1	1	1	- 1	1	- 1	- 1		- 1	- 1	1	1	1	1	1	1	- 1	1	1	1	1	
23	1	1	- 1	1	1	- 1		1	- 1	- 1	0	0	0	0	1	****	****	****		****						
24												- 5	DATA	INVAL	ID -											
25												- 4		INVAL												
26	****	****		****	****	0	0	0	0	0	0	2	2	2	1	1	1	0	0				0	0		
27	0	0	0	0	0	0	0				1	ō	ő	ő	ò	0	ò				0	0				
28	0	0	0	ō	o	0	0	ő	0	0	ó	ő	0	0	0	0	0		0	0	0	0	0	0		
29	0	0	0	0	0	0	0	1			0	0			_	0				0	0	0	0	0	0	5
30	1	1	1	4	****									1	1	1	1		1	1	1	- 1	1	1	1	
		,		-												5	4	4	3		-		3	2	*****	
MEAN	1	1	1	1	1	1		- 1	1	1	1	1	-1	1	2	2	1	1	1	1	1	1	1	1	1.3	Ü

PERCENTAGE OF DATA VALID - 86.3

PERCENTAGE OF DATA INVALID - 12.8

PERCENTAGE OF DATA UNAVAILABLE - 1.0

NOTES 1. ****** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

POLLUTANT - SULPHUR DIOXIDE UNITS - 0.01 PARTS/MILLION STATION - C NO 35033 EVANS/ARNOLD AVE. ETOBICOKE MONTH - OCT 77 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 MEAN DAY DATA INVALID -0 0 o 12 13 14 15 16 17 18 19 20 0 2 1 0 1 0 0 3 23 24 25 26 29 30 2 1.1

PERCENTAGE OF DATA VALID - 89.7

PERCENTAGE OF DATA INVALID - 9.7

PERCENTAGE OF DATA UNAVAILABLE - 0.7

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LE.S THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNITS - 0.01 PARTS/MILLION

	\$1	ATION		O NO	3503	3	EVANS	/ARN	DLD AV	E. E	овісо) KE				MO	TH -	NOV	77						
HOUR Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1 2	1	!	1	1	1	!	1	1	1	1	!	!	1	1	1	1	1	1	2	1	1	1	1	1	1
3	1	- 1	- 1		0		ò	ò		i	- 1	3	ò	ò	0	0	ò	. 0	0	0	'n		1	!	:
4	ò	ó						Ö	ò	ò		ŏ		ő		ő				****				0	
5	0	ō	0	0	0	0	0	ō	ŏ	ŏ	0	ŏ		ŏ		ŏ	ő	0	0	0	0	0	0	ő	0
6	0	••••	0			• • • •				0	0	0		ō			ō	ŏ	ŏ	ő	ő	ő	ő	ŏ	ŏ
7	0	0	0	0	1	1	1	0	0	0	0	0	0	0		0	ō	ō	ŏ	Ö	ŏ	ŏ	ŏ	ŏ	ŏ
8	0	0	0	0	1	1	1	0	1	1	0		0	0	0	0				ō	ŏ	o	0	0	0
9	0	0		-6	•	0	0	0	0	0	0	0	0			0	0	0	-	0	ō	0	0	0	ō
10	0	0	0	0	0	0	0	0	0		• • • •		0	• • • •	0		****	0	0	0	0	0	0	0	0
11	0	0	0	0	o	0	0	0	0	0	0	n			0	0	0	0	0		0	0	О	0	0
12	0	0	0	0	0		0	0	o	0	Ö	0	0	0				ō	ŏ	0	o	0	ő	ŏ	ŏ
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	O	ō	ŏ	ŏ	ŏ	ō	ŏ	ŏ
14	0	0	0	0	0		0	0	0	1	0		1	1	0	0	0		1	ī	1	1	1	ī	ō
15	1	2	4	6	4	3	1	****	4	3	2	2		2	1	1	1	1	1	1	1	i	0	0	2
16	0	0	0	0	0		0	0	0	1	0	0			0	0		0	0	0	0	0	0	0	0
17	0	0	0	0	0		0	0		0	0	0		0	1	0		0	0	0	0	0	0	0	0
18	0	0	0	0	0		0	0		0	0		****	0		0			0	0	0	0	0	0	0
19	0	0	0	0	0		0	0		0	0	0		0		0			0	0	0	0	0	0	0
20	0	,	0	0	0	0	0	0	0	0	0	0	••••	1	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	2	1	0	0	0	0	0				0		0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	****	0	0		O		0	0	0	0	0	0	1	1	2	0
23	0	1	0	0	0		0	0	0	0	0	0				0		0	0	000	0	0	1	0	0
24	0	0	0	0	0		0			0	0	0	0	0		0			0	0	0	0	0	0	0
25 26	0	0	0	0	0		0	0		0	0	0		0		0	0	0	0	0	0	0	0	0	0
27	Ö	0	0	0	0		0	0	0	0	0	0		0		0	0	0	0	0	0	1	0	0	0
28	ŏ	ŏ	ő	ő	,	٠	,	Ÿ	٠	٠	٠	- 1		3	2		. !	0	0	0	0	0	0	0	1
29	ĭ	Ÿ	·	ő	ó	- 1	- 1		- 1	2	,	,	2	3	,	- 1	3	3		1		1	- 1	- 1	1
30	1	- 1	3	4	3	i	i	2				1	1	1	3	1	1	1	2	2	0	2	ò	ò	1
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	,	1	0	o	0	0	0	0	0	0	0	0	0.3

PERCENTAGE OF DATA VALID - 91.8 PERCENTAGE OF DATA INVALID - 6.7

PERCENTAGE OF DATA UNAVAILABLE - 1.5

NOTES 1. ****** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. *- INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEJS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POI	LLUTANT		SULPH	UR DI	OXIDE								UNITS	٠٥.	01 PA	RTS/M	ILLIO	N						
	STA	ATION .	c	NO	35033		EVANS	/ARNO	LD AV	E. ET	овісо	KE				MON	TH -	DEC	77						
HOUR DAY	,	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1 2 3 4 5 6 7 8	0 0 1 0 3 0 0	0 0 1 0 3 0 0	0 0 0 0 2 0 0 2 1	0 0 0 1 2 0 0 2 2	0 0 0 1 2	0 0 0 1 1 0 1 1	0 0 1 0 1 3 1	001010142	0 0 0 1 1 0 1 3 2	100000162	0 0 0 0 0 1 6 2	0 0 0 0 0 1 2 2	0 0 0 0 1 2 2	000000	0 0 0 0 0 0 0	0 0 0 0 0 0 2 1	0 0 0 0 1 1 1	0 0 0 0 0 1 1	0 0 0 0 1 1 1	0 0 0 0 0 1 1	0 0 0 0 1 1 1	0 0 0 1 0 0 1 1 1	0 0 0 0 0 0 1 1	0 0 0 0 0 1 1	0 0 0 0 1 0 1 2
10 11 12 13 14 15 16 17 18 19 20	1 4	1 4 2 1 2 1 1	1 2 4 2 1 1 1 1 1	1 3 4 •••• 2 1 1 1 1 1	1 3 5 2 2 1 1 1 1	3 4 2	1 4 5	5 7 3 2 2 1 1 0	2 4 3 2 1 1 0 0	2 4 5 3 3 2 1 0 0	3 5 3 5 2 0	3 5 4 3 0 0 0 1 1	3 5 5 2 5 2 1	2 5 5 2 4 2 1 0 1 0	1 12 4 2 3 2 1 0 1 0	1 4 2 1 2 1 0 1	1 4 2 1 1 1 0 1	2 3 2 1 1 1 0 1	3 3 2 1 1 0 1 0	3 2 1 1 1 0	3 3 2 1 1 0 1	3 2 1 1 0 1	3 2 1 1 0 1 0	5 2 2 1 1 0 1 0	2 3 2 2 2 1 0
21 22 23 24 25 26 27 28 29	0 0 2 1 1 1 0 0	0 0 2 1 1 1 0 0 1 1	2 0 2 1 2 1 0 0 1	1 0 2 1 1 1 1 1 0 1	0 0 3 1 1 1 1 1 0 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 3 1 1 0 1 1 1 0 1	1 1 1 2 0 2	0 1 4 2 1 0 1 0 0 1	01321001	01255111002	1 1 2 6 1 1 1 1 0 0	1 1 6 1 1 1 0 0 0	1 1 3 1 1 0 0	0 1 1 2 1 1 0 0	0 0 1 2 1 1 0 0 2	0 1 1 2 1 1 0 0 0 1	0 0 1 2 1 0 0 0 1	0 0 1 2 1 1 0 0 0 2	0 1 2 1 2 0 0 0 0 2	1 0 0 2	0 0 1 2 1 1 1 0 0 3	0 0 1 1 0 1 2	0 1 1 1 0 0 0 1 2	2 2 1 1 1 0 0 2 2
31	1	10	t	1	1	1		1	1	1	1	1	1	1	1	1	1	1	1	1	1.	1	1	-	1
MEAN	1	1	1	1	1	1		2	1		2	1	2	1	1	1	1	1	1	1	1	1	1	1	1.1

PERCENTAGE OF DATA VALID - 96.4 PERCENTAGE OF DATA INVALID - 3.2

PERCENTAGE OF DATA UNAVAILABLE - 0.4

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1977

POLLUTANT - SULPHUR DIOXIDE UNITS - 0.01 PARTS/MILLION

STATION - C	NO 35033 EVANS/ARM	NOLD AVE, ETOBICOKE		
MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	1.5	6	12
FEB	26	14	7	14
MAR	31	1.2	3	7
APR	28	1.0	3	9
MAY	31	0.6	3	11
JUN	26	0.7	2	5
JUL	20	1.2	4	6
AUG	28	1.1	4	5
SEP	26	1.3	3	7
OCT	28	1.1	3	7
NOV	29	0.3	2	8
DEC	29	1.1	3	12
YEAR	333	1.0	7	14

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1977

POLLUTANT	SULPHUR I	DIOXIDE				UNITS -	0.01 PART	S/MILLION		
STATION -	C NO 35	033 EV	ANS/ARNOLD	AVE. ETOBI	COKE					
MONTH	1 00 TO 04	05 TO 10	11 TO 14	15 TO 25	26 TO 39	40 &0VE	R TOTAL			
JAN	656	69	1	0	0	(726	6		
FEB	591	35	3	0	0		629	9		
MAR	717	9	0	0	0		726	5		
APR	658	13	0	0	0	(67	1		
MAY	715	10	1	0	0	(726	S		
JUN	645	1	0	0	0	(646	5		
JUL	489	14	0	0	0	(503	3		
AUG	663	5	0	0	0	(668	3		
SEP	612	9	0	0	0	0	621	i .		
OCT	664	3	0	0	0		661	7		
NOV	659	2	0	0	0	0	661	t:		
DEC	696	20	1	0	0	0	717			
YEAR	7765	190	6	0	0	C	7961	H		
FREQUENCY	DISTRIBUTI PERCENT OF DATA VALID	ON BY PER		FREQU 30 50	ENCY DISTR	TRATIONS	PERCENT 95	98 99	MAX	ARITH MEAN
	90.9	0	0.0	0.0 0.3	0.8	2.0	2.9	4.4 5.5		1.0

UNITS - 0.01 PARTS/MILLION

	FUL	CUIANI	- 3	OCPHU	H D.O.	, IUL							-												
	STA	TION .	¢	NO 3	5050	М	OE LAB	RES	OURCE	S RD	ETO	ВІСОН	E			MON1	rH	JAN	77						
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 MI	AN
1 2 3 4 5 6 7 8 9	1 1 2 1 4 1 2 1	1 0 1 3 1 1 3 0 0	1 0 1 4 1 1 3 3 1 1 1 1	0 1 4 1 1 3 1 0	1 0 1 3 1 2 3 1 0 1	1 0 1 2 1 2 3 1 0 1	1 0 1 2 1 2 4 1 1 1 1	1 0 1 2 1 2 4 3 1 1	1 0 1 1 1 3 3 7 1	1 0 1 1 1 4 1 8 1 1	2 0 1 1 7 1 8 1 1	1 0 1 1 0 5 1 5 2 1	2011661331	2 0 2 1 1 8 1 2 3	2 0 2 1 1 15 1 3 3	2 0 1 0 1 9 1 2 3 1	20111100221	1 1 9 0 2 2 0	1 0 1 1 1 8 0 2 2 0	1 1 7 0 2 2 1	1 1 2 1 1 4 0 2 2 0	1 1 1 3 0 2 1 1	1 1 1 1 2 0 1	1 1 1 3 0 1 1 1 1	1 0 1 2 1 5 2 3 1 1
11 12 13 14 15 16 17 18 19	2 2 0 5 6 0 4 1 1 1	2 2 0 5 6 1 4 1 1 1 1	2 2 0 5 5 1 3 1 2 1	1 2 1 4 4 1 1 1 1 0	1 2 1 5 3 0 1 1 1	1 2 2 6 2 1 1 1	1 2 1 6 2 1 0 1 1 1	0 2 1 6 1 1 0 1 1 0	0 2 1 5 1 1 1 1 0 0	0 3 1 7 1 1 0 1	0 3 1 8 2 1 0	0 2 1 9 3 1 1 1 2	1 2 8 2 1 2 1 3	0 1 2 7 2 1 1 1 1 1 1 1	2 7 2 1 1	0 12 2 1 1 1 2	0 0 2 8 1 1 1 2 1 1	0 3 8 1 1 2 0	0 0 3 8 1 1 2 2 0	0 5 7 1 1 2 1 0	0 1 5 7 1 1 2 1 0	0 1 4 7 1 1 2 1 0	1 0 6 6 1 2 2 1 0 1	1 4 6 0 3 1 1	7 2 1 1 1 1 1
21 22 23 24 25 26 27 28 29	2 1 2 5 4 1 0 2 1 2	3 1 1 6 4 1 0 2	2 0 1 8 3 1 0 2 2 1	2018310221	2 0 1 6 3 0 1 2 2 1	2 0 1 6 3 1 1 2 2 2 2	2 0 2 5 3 1 1 3 2	2 0 2 7 3 0 1 6 2 2	2 0 2 7 3 1 1 4 2 2	1 1 2 7 4 1 1 4 2 2	1 0 1 6 3 1 1 4 2 2	1 0 5 3 1 1 4 2 1	2 1 2 5 3 2 1 3 2 2	9 1 2 5 3 2 1 1 2 1	4 0 2 5 3 2 1 1 2 2	0 2 5 2 2 1 1 2 2	2045221122	1 1 6 5 1 2 1 1 2 1	0 1 8 8 1 6 2 2 2	0 1 7 6 1 2 2 1 1	0 1 6 5 1 2 1 1	2 1 7 5 0 2 1 1 1	3 6 5 0 4 1	1 2 5 4 0 2 2 1 1 1	36221221
31 MEAN	1 2	1	1 2	1 2	1	2	2	1 2	2	2	2	2	2	2 2	2	2	1	1 2	1	1	2	2	2	2	1.9

PERCENTAGE OF DATA VALID - 99.5 PERCENTAGE OF DATA INVALID - 0.5

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. *-* INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	PO	LLUTA	NT -	SULPI	HUR D	OXIDE	:							UNITS	· 0	01 PA	RTS/N	ILLIC	N						
	ST	ATION	- (NO.	35050	0	MOE LA	AB RE	SOURCE	S RD	ET	овісо	KE			MON	(TH -	FEB	77						
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1 2 3 4 5 6 7	2 1 3 0 2 1	2 1 3 0 2 1	10302212	1 0 3 1 1 2 1 2	1 1 3 2	1 1 1 1 2 3	0 2 1 1 2 2	0 0 2 1 1 3	0 2 1 1 5 1	0 1 1 1 4 2 1	0 1 1 3 2	1 0 1 1 1 1 2	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 2	1 0 1 2 1 1 2	1 0 1 3 0	1 1 1 3 1 1	0 1 1 0 2 1 1 4	0 1 0 0 3 1 1 1 3	1 3 0 5 1	1 2 0 0 3 1 1 2	0 2 0 0 2 1 1 2	0 2 0 0 1 1 1 2	0 3 1 1 1 1 1 1 3	1 1 1 2 2 1
10	4 5	4	3	5	5 3	5 3	4	4	4	4	4	5	3 5 2	5	5	5 1	5	5	5	5	5	5	5		5
11 12 13 14 15 16 17 18 19	1 1 1 0 0 2 2 2	1	1 1 1 0 0 2 2	1 1 1 0 0 2 2	1 2 1 1 0 0 2 3	1 2 1 1 0 0 3 4	1 1 1 2 1 0 4 3	1 1 1 0 6 2 1	1 1 1 1 3 0 7	1 1 3 0 9 1 1	2 1 1 1 2 0 12 1	2 1 1 1 1 1 1 1 1	2 1 2 1 1 1 13 1	3 1 1 2 1 1 19 1	2 3 1 1 3 1 1 1 1 1 1 1 1	1 1 1 3 1 1 21 0	1 2 1 1 1 1 1 1 1 1 1 1 1	1 2 1 0 1 1 1 1 1 1	1 2 1 1 0 0 1 8 2 1	1 1 1 0 0 2 8 1	1 0 0 2 7 1 1	1 0 1 1 0 0 2 5 2 1	1 1 1 0 0 1 2 2 1	1 0 0 1	1 1 1 1 8 2
21 22 23 24 25 26 27 28	0 1 2 2 1 0 1	2 2 2 0 1 1	222011	2 2 2	2 2 2 0 1 0	2 2 2 1 0	2 1 0 1 0	1 2 1 2 1 0 1 0	1 2 2 2 1 0	0 2 1 2 1 0 1	0 2 1 2 1 1 1 0	1 1 1	0 2 1 2 1 1 1 1 1	0 2 1 1 1 1 2 1 1	7 2 1 1 1 1 2 0	3 1 1 1 0	1 3 1 3 1 1 1	3 1 1 1 0	0 2 1 2 1 0	0 2 1 1 1 1 1	1 1 1 1 1	0 2 1 1 1 2 1 0	0 2 1 2 1 1 1 0	1 1 0 0 0	2 1 2 1 1 1
MEAN	- 1	1	1	1	2	2	1	1	2	2	2	2	2	2	2	2	2	2	1	2	1	1	1	-1	1.6

PERCENTAGE OF DATA VALID - 95.1 PERCENTAGE OF DATA INVALID - 4.9

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. "-" INDICATES DATA IS UNAVAILABLE
 - 3. ******* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNITS - 0.01 PARTS/MILLION

	STA	TION	- C	NO	35050	N	OE LA	B RES	OURCE	S RD	ET	OBICC	KE			MON	TH -	MAR	77						
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	1.4	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	0	1	0	0	0	1	1	1	1	1	0	0	0 •		0	0	0	0	1	0	1	1	0
2	1	1	1	1	1	1	1	1	2	1	1	2	1	1	1	1	1	1	1	1	2	2	2	2	1
3	2	1	1	1	1	2	2	2	3	5	6	3	3	2	3	5	2	2	1	1	2	2	2	2	2
4	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
5	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
5 6	1	1	1	9	1	1	1	1	- 4	1	1	1	1	1	- 1	1	1	1	0	0	0	0	0	0	1
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8	ō	o	0	,	1	1	1	-	1	2	2	3	2	3	2 •		2	2	•	- 4	•	- 1	1	2	1
9	ĭ	2		2	3	4	3	3	4	3	3	2	2		ī	2	2	2	- 6	- 4	4	- 1	- 1	2	2
10		ī	ò	•	ő	7	,	2	3	3	2	2	2	2	ż	2	2	2	- 1	- 1	- 1	2	2	- 7	2
10			U		U	,		-	3	3	•	•	-	-	2	•	-	-				-	•		•
11	1	1	0	0	0	0	1	2	4	6	7	8	6	6	4	4	3	3	4	3	3	2	2	1	3
12	1	1	2	1	1	2	1	2	2	3	3	3	3	3	2	2	2	1	1	1	1	1	0	0	2
13	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	1	1	1	0	0	0	2	1	2	1
14	1	o	0	0	0	0	0	0	1	1	1	1	1	1	ĭ	1	0	1	0	ō	o	0	0	0	0
15	0	0	0	o	1	1	0	1	1	3	4	2		2	3	3	2	3	3	3	3	2	1	2	2
16	1	1	ĭ	1	0	0	o	o	ó	ō	0	ō	0	ō	ő	ō	0	ō	o	ō	o	ō	o	ō	ō
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18	ĭ	1	·	2	2	2	1	1	ő	1	ĭ	1	1	-			ō	ò	ŏ	ŏ	õ	ò	ó	ò	1
19	ò	ò	ò	ō	î	ī	1	2	2	2		- 4	1		•		ĭ	3	2	ĭ	·	3	4	4	
20	4	5	5	4	4	3	3	4	2	2	2	4	1		4	÷	i	1	- 1	i	- 1		- 7	1	2
20	-	3	5	-	-	3	3	-	2	-	•				1		•								2
21	1	1	1	1	1	36	1	1	2	2	2	3	3	3	2	2	1	1	0	0	0	0	0	0	1
22	0	0	0	1	1	1	1	1	1	1	1	1	1	,	1	1	0	0	0	0	0	0	1	1	1
23	1	1	1	1	1	1	1	1.	1	1	0	1	1	1	0	0	0	0	0	0	0	0	0	0	1
24	0	0	0	0	0	1	1	2	2	2	2	2	1	1	1	1	1	1	0	0	0	0	0	1	1
25	1	1	1	0	0	0	0	0	1	1	1	1	1	1	0	0	1	2	2	2	1	1		1	1
26	1	2	1	1	1	1	1	1.	0	1	1	1	0	0	0	0	0	0	1	3	4	3	1	1	1
27	1	2	2	2	2	3	4	6	6	4	3	3	4	4	3	3	2	2	2	1	1	1	1	1	3
24 25 26 27 28 29	1	1	1	2	2	2	2	3	3	2	1	2	1	1	1	1	0	0	0	0	1	1	0	0	1
29	0	0	0	1	1	1	1	2	2	4	5	4	3	2	1	- 1	****								2
30	-								-		_		DATA	INVAL	10 -										_
31													D. T.	Thurst	10										
31													UAIA	INVAL	10 .										
MEAN	1	1	1	1	1	1	1	1	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1.2

PERCENTAGE OF DATA VALID - 91.8 PERCENTAGE OF DATA INVALID - 8.2

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. *- INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	PO	LLUTA	NT	. 5	ULPH	HUR DI	OXIDE								1	UNITS	- 0.	01 PAF	RTS/N	HLLIC	ON.						
	ST	ATION		c	NO	35050		MOE	LAB	RES	OURCES	R) E	товісо	KE			MONT	тн -	APR	77						
HOUR DAY	1	2	4	3	4	5	6	7		8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1 2 3 4 5 6 7 8	0 1 0 0 1 0	1 1 0 1 0 0 1 0		2	1 0 1 0 0 1 0	2 1 1 0 0 0	2 1 0 2 1 0 1 1	2 1 1 1 1 0 3		2 1 1 1 1 1 1 2 1	2 1 0 1 1 3 2	2 1 1 1 1 3 1	1 1 1 1 1 1 1 0	1 1 1 1 1 6	1 1 1 1 0 2 1	7 1 1 1 1 0 1 2 0	15 1 1 1 1 0 2 2	13 1 0 1 1 0 2	10 1 0 0 1 1 1 1	2 1 0 1 0 0 1 1 1	3 1 0 1 0 0	3 0 1 0 0 1	1 2 0 1 0 0 1 0 0	1 0 0 0 0 0 0	1 2 0 1 0 0 1 0 0	1 1 0 1 0 0 1 0 0	1 1 1 1 0 1 1
10 11 12 13 14 15 16 17 18	0 2 0 0 1 0 0 0	0 2 1 2 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 1 0 2 0 0 1 0 1	0 2 0 0 0 0 1	0 1 0 2 0 0 0 0 0 2	1 0 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		3 0 2 0 0 0 0 0 3	2 3 0 1 0 1 0 0 4	20101004	2 0 1 0 0 5	7 1 1 2 1 0 0 0 3	5 0 1 2 0 6 0 3	6 0 2 2 0 0 6 1 8	4 0 2 2 0 1 3 4 7	3 0 2 2 0 2 3 8 4	2 0 1 2 0 4 2 2 2 1	2 2 0 5 2 1	0 2 1 0 8 2 1	0 1 1 0 3 0 1	0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 1 1 0 4 0 0	0 2 1 0 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 2 1 0 1 0 1 0 1	2 1 1 2 0 1 1 1 3
20 21 22 23 24 25 26 27 28 29	0 3 0 0 0 0 0 0 2 1	0 2 1 0 0 0 1 1 1 0 0 0		1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	0 1 2 0 0 0 0 1 1 1 0 0	3 1 0 0 0 1 1 1 0 0	0 2 1 0 0 0 2 1 1 1	000000000000000000000000000000000000000		0 2 0 0 0 0 1 2 0 0 1	3 1 0 0 0 1 1 0 0 0 1	2 3 1 0 0 0 1 3 1 0 1	4 1 0 0 0 0 2 4 0 0 0 2	3 5 1 0 0 0 1 2 1 0 8	1 . 8 4 0 0 0 0 1 2 1 0 7	1 6 4 0 0 0 0 1 1 1 0 4	4 0 0 0 0 1 1 1 0 2	3 0 0 0 1 1 2 0 0 2	1 5 2 0 0 0 1 0 2 1 0 2	1 4 1 0 0 0 1 5 2 1 0 1	1 0 0 0 0 2 1 1 0 1	0 2 1 0 0 0 0 2 1 2 0	0 2 1 0 0 0 0 3 1 3 0	0 1 0 0 0 0 0 0 0 0 0 1 1 0 0 1	0 0 0 0 0 1 1 1 0 1	0 0 0 0 0 0 0 0 1 1 0 1	2 2 0 0 0 0 1 2 1 0 0 2
MEAN	1	1		ŧ	1	1	1	1		t	1	1	1	2	2	2	2	2	1	1	1	,	1	1	1	1	1.1

PERCENTAGE OF DATA VALID - 95.6 PERCENTAGE OF DATA INVALID - 4.4

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. .. INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNITS . O.O. PARTS/MILLION

	-			300	100																					
	51	MITA	4 - 1	, NO	35050)	MOE L	AB RE	SOURC	ES RO) E1	овісо	KE			MON	тн -	MAY	77							
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	1	1	1	1	1	2	3	5	7	6	7	4	3	3	3	7	6	2	1	2	2	2	1	2	3	
3	1	1	1	- 2	1	1	1	0	0	- 1	- 1	1	Ö	- 1	. 1	- 1		Ü	0	0	0			ž		
3	0	0	O	0	0	0	0	- 1	1		- 1	1	·	2	14	- 2	0	- 1	٥	0	1	1	0	·		
4	0	0	1	1	- 1	- 2	1	- 1	- 1	- 1	2	- 1	- 1	- 1	1	1	- 1	- 1	- 1	1	0	0	- 1	- 1	1	
5	1	1	1	- 1	1	1	1	- 1	- 1		2	2	- ā	- 1	1	3	2	2	1	0	0	1	- 1	1	. !	
6	- 1	2	2	1	1	1	1	_ 1	1	1	ò	1	1	- 1	0	0	O	0	0	0	0	0	0	0	1	
7	0	0	0	. 0	U	0		0	0	0	ŏ	0	0	0	1	- 1	- 1	1.	- 1	1	0	0	1	0	0	
8	0	••••	0		****			0	0	0					0		0	0	0	. 0	0	0				
9		0		0	0	0	0	~	0	••••														0		
10									••••				1		4	1	,	1	0	0	0	0	0	U		
11	0	0	0	0	0	0	0	0	0	O	1	1	4	13	5	0	0	2	5	4	2	1	1	0	2	
12	0	0	0	0	0	0	0	0	0	1	0	0	0		0	0	0	0	0	0	0	0	0	0	0	
13	0	0	0	0	0	0	0	0	1	1		0	0	0	0	0	0	0	0	0	0	0	0	0	0	
14	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	
15 16	2	2	1	1	1	1	1	1	1	1	1	1	0	0	0	0	1	0	1	0	0	0	0	0	1	
16	0	0	0	0	0	0	1	0	0	1	2	2	4	9	4	10	5	4	7	11	5	1	1	0	3	
17	1	1	1	1	1	1	2	2	2	2	3	3	2	2	2	2	2	2	2	1	1	2	- 1	1	2	
18	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	
19	1	1	0	0	0	0	0	1	0	O	0	0	0	1	2	3	10	22	3	2	2	2	2	2	2	
20	1	0	0	0	0	1	2	2	2	1	2	19	15	9	12	14	6	3	3	2	2	1	0	0	4	
21	0	0	0	0	0	0	0	1	2	2	2	3	4	6	5	4	3	3	3	3	3	3	3	2		
22	1	1	2	1	1	1	1	3	4	5	5	5	4	3	4	3	2	3	2	2	2	1	1	0	2	
23	0	0	0			1	1	2	3	4	2	2	1	1	1	- 1	1	1	1	0	0	0	0	1		
24 25	0	0	0				0	1	1	1	1	3	8	11	2	1	1	1		1	0	0	0	0		
25	0	0	0				0	0	0	****	0	1	1	2		1		0	0	0	0	0	0	0		
26	0	0	0			0	٥	0	0	0	٥	0	0	6	3	2	2	1	1	1	0	0	0	0		
27 28	0	0	0	1		1	1	2	1	- 1	1	1	1	1	1	1		1	1	1	0	0	0	0		
28	0						0	1	1	- 1	1	1	1	1	1	1	1	1	0	0	0	0	0	0		
29	0						0	0	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0		
30	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1	1	1	1	0	0	0	0	0	
31	0	0	0	0	0	0	1	2	2	2	2	2	1	2	****	2	2	2	2	2	2	1	2	2	1	
MEAN	٥	0	0	0	0	0	1	1	1	1	1	2	2	3	2	2	2	2	1	1	1	1	1	0	1.1	

PERCENTAGE OF DATA VALID - 95.4 PERCENTAGE OF DATA INVALID - 4.6

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. "**** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. -- INDICATES DATA IS UNAVAILABLE
- 3. "***** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POL	LUTANT	. 5	ULP	HUR DIO	XIDE							0	UNITS	- 0.	DI PAI	RTS/M	LLIO	N						
	STA	TION -	c	NO	35050		OE LA	B RES	OURCE	S RD	ET	08100	KE			MON	TH - ,	JUN	77						
HOUR DAY	•	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 M	EAN
1 2 3 4 5 6 7 8 9	200001	2 1 0 0 1 1 0 0 0 0 0	1 1 0 0 1 1 0 0 0 0	1 1 0 0 0 0 0 0 0	1 0 0 0 0 0	100001	0 0 0 0 0 0 0	1 0 0 1 2 0 0 0	2 0 0 2 1 0 0 0 0	2 0 0 3 1 0 0 1 0 0	3 1 0 0 0 0	2 0 1 2 1 0 0 0 0 0	3 1 0 0 0 1 0	1 0 1 2 1 0 0 0 1	1 0 1 2 1 0 0 0 0 0	1 0 1 2 1 0 0 0 0	1 0 1 2 1 0 0 0 0	1022100004	3 0 0 1 0 0 12	1012001	1 0 1 2 0 0 1 0 0 0	0 0 1 1 0 0 0 0 0 0	0101200020	0001200000	1 0 1 1 0 0 0 0 1
11 12 13 14 15 16 17 18 19	0 1 0 0 0 1 1 0 0 0	0 1 0 0 0 0 0 0 0 0	0 1 0 0 1 0 0 0	0 1 0 0 1 1 0 0	1 0 1 0 0 1 1	010100100	0 1 0 1 0 0 0 0	0 1 1 1 0 3 1 0	1 1 2 0 1 2 1 0 1 0	1 1 1 1 4 2 0 1 0	1 1 1 1 4 2 0 1 1	0 1 1 1 1 0 1 1	0 0 1 1 2 1 0 1 1	0 0 1 2 1 3 1 1 1 1 1	0 0 1 2 1 3 1 1 1 1 1	0 0 1 2 1 2 0 1 1 1	212100	0 0 0 2 1 1 0 0	0 0 1 1 2 1 1 0 0	0 0 0 1 1 2 1 1 0 0	000000000000000000000000000000000000000	0 0 0 0 1 0 0	1 0 0 0 0 2 0 1 0 0	1 0 1 0 1 0 0	0 1 0 1 1 2 1 0 0
21 22 23 24 25 26 27 28 29 30	0 0 0 0 2 1 3 2 3 0	0 0 0 0 2 1 1 2 3 0	0 0 1 0 2 1 1 2 2 0	0 0 1 0 1 1 2 2 2 0 0	0 1 0 1 1 1 2 2	0 0 1 0 1 1 1 3 2 0	0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0 0 1 1 1 1 2 4 1	1 0 1 4 1 1 2 4 2	1 0 1 4 2 2 3 6 2 3	1 0 1 2 2 2 4 8 2 5	1 0 0 2 3 5 19 2 5	1 0 12 2 4 12 3	1 0 19 2 2 4 11 1	1 1 0 10 2 2 4 23 0 4	0 0 5 2 2 6 17 0 4	0 0 1 6 2 2 10 7 0 4	0 0 12 4 1 2 3 4 1 4	0 1 4 1 5 3 4 1 6	0 0 1 3 1 6 2 4 1 6	0 0 1 3 1 6 2 4 0 5	0 0 1 3 1 5 2 3 0 3	0 1 2 1 4 2 3 0 2	0 0 1 2 1 4 2 3 0 2	0 0 1 4 1 2 3 6 1 3
MEAN	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1.2

PERCENTAGE OF DATA VALID - 99.7 PERCENTAGE OF DATA INVALID - 0.1

PERCENTAGE OF DATA UNAVAILABLE - 0.1

- 2. " INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - SULPHUR DIOXIDE UNITS - 0.01 PARTS/MILLION

	S1	TATIO	N -	C NO	3505)	MOE L	AB RES	OURC	ES RD	E	OBIC	OKE			MO	NTH -	JUL	77						
HOUR DAY	İ	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	2	1	2	1	1	1	1	1	4	1	1	1		1	1	1	1	1	1	1	¥	0	0	0	1
2	0	0	0	0	0	0	1	.0	0	1	1	1	1	1	1	1	1	1	1	i	÷	0	0	0	1
3	0	0	0		****		0	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	4	5	2
4	2	2	2	2	2	1	1	2	2	2	2	2	3		18	29	9	7	6		3	1	1	1	5
5	1	1	1	1	1	1	1	1	1	2	2		1	1	2	2	2	4	3		2	2	2	2	2
6	1	i i	1		1		0	1	0	0	0	0	0	o	ō	0	0	0	o		ō	ō	ō	o.	ō
7	0	0	0	0	0	0	0	1	0	0	0	0	0		0	o	0	0	0	o	0	0	o	0	o
В.	0	0	0			0	0	ó		-		2	2	2	2	2	4	3	3		2	2	2	1	
9	1	t	1	1	1		1	1			1	1	- 1	2	2	1	1	1	1	3		1	1	- 1	- 1
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11	0	0	0	0	0	0	0	0	1	1	1	1	2	3	11	4	3	2	2	2	1	1	1	1	2
12	1	1	2	2	3	1	1	2	1	1	1	****	1	1	2	1	1	1	1	ĩ	- vi	+	1	- 1	1
1.3	1	1	1	1	0	1	0	0	0	0	0	0	1	- 1	1	1	1	0	0		ò	ó	0	0	0
14	0	0	0	0	1		1	1	1	1		1	1	3	16	15	4	2	2	3	3	4	1	1	3
15	1	1	2	2	2	2	2	2	2	2	2	3	4	4	4	2	2	1	1	5	2	- 7	- 1	- 1	2
16	1	1	1	0		0	0	0	0	1	1	1	1	1	2	3	14	6	5		5	÷	1	- 1	2
17	- î	i i	- 1	1	1	- 7	1	1	1	1	- 1	2	2	2	2	2	1	1	1	7	- 1	4	ò	ó	
18	0	0		Ô	o	O	0	Ö	- 1	1	4	25	7	3	3	4	6	5		- 2	- 4	0	o	o	3
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20	****	****					****	o	Ô	o	0	o			ő	0	ő	ő	0	0	0	0	0	0	ó
								9	-									0	0	0	U	v		0	
21	0	0	0			0	0	0	0	0	0	0	0		1	1	1	1	1	0	0	0	0	0	0
22	0	0			0	0		- 1	1	1	1	1		0	1	1	1	1.	1	1	1	0	0	0	1
23	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	2	1	1	1	0	1	- 1	1
24		1	1	1	1	2	2	2	2	2	2	3	2	2	2	2	2	2	1	1	1	1	1	1	2
25		1.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	G	0	1
26	0	0	0	0	0	0	0	1	1	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	1	2	2	2	3	4	2	2	4	5	2	1	0	1	0	1	1	1
28		0	0	0	0	0	1	1	1	****	****		4	6	7	7	6	5	4	4	3	2	1	1	3
29	0	0	0	0	0	0	0	0	0					****	****					****		****			*****
30												*	DATA	INVAL	LID -										
31																									
31												*	DATA	INVA	FID -										
MEAN	1	1	1	1	1	1	1	1	1	1	1	2	2	2	3	3	2	2	2	1	1	1	1	1	1.3

PERCENTAGE OF DATA VALID - 88.0 PERCENTAGE OF DATA INVALID - 12.0

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

POLLUTANT - SULPHUR DIOXIDE UNITS - 0.01 PARTS/MILLION STATION - C NO 35050 MOE LAB RESOURCES RD ETOBICOKE MONTH - AUG 77 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 MEAN HOUR

111 ****	1 2 3 4 5 6 7 8 9	0	0	0	0		0	0	****	0 1 0 0 0	1 0 0	1 0 0 0	0	DATA DATA O DATA 1 O O	1 0 INVAL 1 0	ID - ID - 1 0	1 0	1 1 0 0	1 1 0 0	1 0 0	1 1 0 0	1 1 0 0	1 1 0 0	1 0 0	0000	0
12	10	U	U	0	Ų	U	u	U	U	0	0	0	0	0	0		****	****							****	*****
22	12 13 14 15 16 17 18	0 0 1 0 0 0 0	0 0 0 0	0 0 0 0	0 0 1 0 0 0	0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 1	0 0 0 0 0 0 1	00000	0 1 0 0 1 0 1	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 1 0 0 0 0 1 5	0 1 0 0 0 0 0 6	0000006	0 0 0 0 0 1 2	000000	0 0 0 0 1	0 0 0 0	0 0 1 0 1 1	0 0 0 1	0 1 0 0 1	0 1 0 0 0 0	0 0 0	0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
MEAN 1 0 0 0 0 0 1 0 1 1 1 1 1 1 1 1 1 1 1	22 23 24 25 26 27 28 29 30	0 1 1 2 1 1	1 1 0 0 0 1 1 1 2 2 0 0 0	1 1 0 0 0 1 1 1 2 2 0 0 0	0 0 1 2 2 0 0	1 1 0 0 1 1 1 2 2 0 0	0 0 1 2 2 0 0	1 1 1 2 2 1	1 1 2 2 2 0	1 1 2 2 2 0	1 0 0 1 2 2	0 2 1 2 2	3 2 1	1 1 0 0 2 3 2 1 1	2 3 2 1 1	1 0 0 2 2 4 2 1 1	1 1 0 11 2 4 2 1	1 0 0 7 3 3 2 1 1	1 1 0 3 2 2 2 1 1	1 0 0 1 3 3 2 1 0	2 2 1 1	1 0 0 1 2 2 3 0 1	0 1 0 1 2 2 2 0 1	1 2 2 2	10001222000	1

PERCENTAGE OF DATA VALID - 82.1 PERCENTAGE OF DATA INVALID - 17.9

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNITS - Q.O1 PARTS/MILLION

	STA	TION -	¢	NO	35050	M	OE LA	B RES	OURCE	S RD	ETO	BICO	KE.			MON	TH -	SEP	77						
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1		1	1	1	0	1	1	0	0	1	1	0	0		2	4		1	-1	1	1	1	- 1	1
2	1	0	1	0	1	0	1	0	1	0	0	1	1	2	5	4	2	1		1	2	2	3	3	1
3	1	1	0	1	0	1	0	0	1	1	1	0	1	1		1	1	1		1	1	1	0	1	1
4	0	0	0	0	0	0	1	1	1	1	2	3	1	2	1	2	1	1	2	2	2	1	1	2	1
5	1	2	1	2	1	2	1	2	2	- 1	1	1	1	1	1	1	1	2		1	2	1	1	1	1
6 7	1	1	1	0	1	0	1	•	1	1	2	1	37.1	****	0	0	0	1	0	0	0	0	0	0	1
	1	1	1	,	1	. 1	0	1	1	-1	1	0	0	0	0	0	0	0	0	0	0	0 2 0	0	0	0
8	0	0	0	0	0	0	0	2	3	3	0	0	0	0	0	1		1	1	0	0	0	0	0	0
9	1	0	0	0	0	0	0	2		3	4	7.	• • • •	4	3	3	3	3	3	3	2	2	2	1	2
10	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0
12	ō	o	ō	ō	0	0	,	3	6	7	2	1	2	1	1	1	0	1	1	î	- 1	1	1	1	1
13	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	1
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	1	0	1	1	0	0	0	0		0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	1	1	1	1	••••	• • • •	1	1	1		1	1	1	1	1	1	1
1.7	1	1	1	1	,	1	1	1	1	1	1	1	0	0	٥	0	0	0	0	0	0	0	0	0	1
18	0	0	0	0	0	1	1	0	0	0	0	1	0	0	1	1	0	0		0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0
23	1	1	1	0	0	0	0	0		0	0	0	0	0		0	0	0	0	0	1	1	- 1	1	0
24	0	0	0	0	0	0	0	0	0	0	-		-	-			-	-			3.			-	*****
25		-	•		.	£ .	*	•		•	-	-		-		-	-	-		0	0	0	- 1	0	*****
26	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0	ō
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	••••	o	0	0	0		0	0	0	0	
28	0	0	0	0	0	0	2	0	0	0	0	0	1	2	2	1	1	0	0		0	0	0	0	0
29	0	0	0	- 1	0	0	0	3	2	3	2	2	2	1	0		0	0	. 0	0	0	0	0	0	
30	1	3.	2	-1		1	ä	3	2	3	2	2	2	2									·	0	2
MEAN	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	0	0	1	0	0	0	0.5

PERCENTAGE OF DATA VALID - 93.3 PERCENTAGE OF DATA INVALID - 2.2

PERCENTAGE OF DATA UNAVAILABLE - 4.4

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POL	LLUTANT	- 5	SULPH	IUR DI	OXIDE								TINU	s - 0.	.01 PA	RTS/M	ILLIO	N						
	STA	· NOITA	c	NO	35050)	MOE L	AB RE	SOURC	ES R) E1	OBICO	KE			MON	тн -	ост	77						
DAY	1	2	3	4	5	6	7	8	9	10	1.1	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1 2 3 4 5 6 7 8 9 0 1 1 2 3 1 4 5 6 6 7 8 9 1 0 1 1 2 3 1 4 5 6 6 7 8 9 1 0 1 1 2 3 1 4 5 6 7 8 9 1 1 2 3 1 4 5	0 0 0 0 0 0 1 1 0 0 4 2 1 0 0 2	0 0 0 0 0 0 0 0 1 1 0 0 4 1 1 0 0 3	000001100110031104	0000110011021104	000000000000000000000000000000000000000	0000000100	00001000111222104	1 2 2 1 0 4	000111100000000000000000000000000000000	0011011000	0000101000 20211115	000011000 302111115	0000100 90122115	000000000000000000000000000000000000000	00001010000 41413118	00000100031913113	000010001000206612112	0011001100110031121112	001110001000000000000000000000000000000	00100100 00221112	000110011001100033311111	000111100110003221111	00000110110110023110112	0000011001	00001000202221113
19	1	2	ì	1	1	1	2	2	2	****	••••	••••	DATA	INVA	LID .	••••	••••	••••	••••	****	••••	••••	••••	••••	*****
21 22 23 24 25 26 27 28 29 30	2 0 1 3 3 1 2	2 0 1 3 3 1 2 0 0	2 0 1 3 3 1 2 0 0	2 0 1 3 3 1 2 0 0	2 0 1 3 3 1 2 0	2023331200	2 0 2 4 3 1 2	202541201	2 0 3 5 4 3 2 0	2 0 3 6 4 3 0	3 0 7 7 4 4 3 0	2 0 15 6 3 8 3 0	1 0 6 7 3 7 3 0	1 0 2 7 3 4 3 0	1 0 6 3 5	2103525100	2 1 0 3 3 2 5 1 0	3 1 0 4 4 2 3 1 0 0	2 1 0 4 5 2 3 0 0	2 1 0 3 5 2 3 0 0	2 1 0 4 5 2 3 0 0 0	1 0 4 5 2 2 0 0	3 1 0 4 5 1 2 0 0	2 1 0 3 3 1 2 0 0	2 0 3 5 3 2 0
31 Mean	1	1	1	0	0	,	1	3	1	1	1 2	1 2	1 2	1	2	1	1	0	1	1	1	0	0	1	1 1.2

PERCENTAGE OF DATA VALID - 92.2

PERCENTAGE OF DATA INVALID - 7.8

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNITS - 0.01 PARTS/MILLION

																			300 1.41							
		TATIO	IN -	C NO	35050		MOE LA	AB RE	SOURCE	5 RC	ET	овісо	KE			MO	NTH -	NOV	77							
DAY			3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	1	1	1	1	1	1	1	1	4	1	1	1	3	2												
2	0	0	0	- 1	1	3	3	3	4	3	2	1	ĭ	7	3		- 1	1	1	1	1	1	1	- 1		1
3	1		1	1	7	1	2	2	2	2	3	8	25	5	2			1	1		1	- 1	1	- 1		2
4	1	, ,	2			2	2	2	1	1	0	0	- 1	÷		- !		1	1	1	0	0		0		3
5	0					0	0	0	0	0	0	0	ò	ò	1	2	1	0		0	0	0	0	0		1
6	0			0	0	0	0	0	o	0	ő	0	,		0	0	0	0		0	0	0	0	0		0
7	0			0	0	0	0	0	o	Ö	0	0	ó	1	1	1	1	1	1	1	0	0	0	0		0
8	0		0	0	0	0	0	0	o	o	o			0	0	0	0			0	0	0	0	0		0
9	0	0	0	0	1	1	1	1	1	,		0	0	0	0	0	0	0	0	0	0	0	0	ō		õ
10	1	1	1	1	1	- 6	2	2		- 2	- 1	1		• • • •	1	1	1	- 1	2	1	1	1	1	- 1		1
								4	1	9	1	0	0	0	0	0	0	0	0	0	0	0	0	o		1
11	0				0	0	0	0	0	0	0	0	0	0	0	0	0	-								
12	0				0	0	0	0	0	0	0	0	o	ő	ő	0				0	0	0	0	0		0
13	0	0	0	0	0	0	0	0	0	0	o	0	1	·		Ü	0	0	0	0	0	0	0	0		0
14		1	- 1	1	1	1	1	1	1	1	1	ř	- 2		- 2	- 3	- 1		1	1	1	0	0	1		0
15	3.	2	2	3	3	2	3	3	A	6		9	4	5	- 1	- 1	0	0	0	1	1	1	1	1		1
16	1	1	1	1	1	1	1	3		2	2		~	2	5	4	3	2	1	1	1	1	1	1		3
17	3	2	1	1	1	1	0	1	7	- 0	-		1	1	0	1	0	0	0	0	0	0	0	1		1
18	1	1	1	1	0	Ó	Ö			- 2	- 1	- 3	2	1	2	1	0	0	0	0	0	0	0	0		
19	0	0	0	0	0	o	0	ò	o.	- 1	1	1	0	0	0		0	0	0	0	0	0	0	ō		ó
20	0	1	î	ĭ	ĭ	1	1		0	0	0	0	0	0	0	0	0	0	0	0	o	o	ō	ő		0
			,			(4)	1,0		í	1		1	4	1	1	1	1	1	1	1	2	1	1	1		1
21	2	2		4	2	2	2	1	1	1.			0	0	0	0	0		-							
22	0	0	0	0	0	0	0	0	0	0	0	0	ō	0	ő	0	0	0	0	0	0	0	0	0		1
	0	0	1	- 1	0	0	3	1	1	1	1	1						0	0	0	0	0	0	0		0
24	- 1	. 5	1	1	1	1	0	1	0	0	0	ò	- 4			1	- 1	1	1	1	1	1	3	2		1
25	0	0	0	0	0	0	1	1	1	1	1		- 4	0	0	0	0	0	0	0	0	0	0	0	(0
26	****	****		****	**** *	***	1	0	0	o	- 1	ò	0	1					****	****	***			****	*****	
27	0	0	0	0	0	0	0	o	0	0	ò			0	0	- 1	0	0	0	0	0	0	0	0	7	0
28	0	0	0	0	ō	0	0	0	0	0		0	0	2	4	1	0	0	0	1	0	0	0	0		Ö
29	1	- 1	1	1	ĭ	1	7	2	0		1	1	1	1	1	1	1	0	0	1	1	1	1	1		
30	- 4	3	3	3	3	2	2	2	1	2	3	2	2	1	1	2	5	6	5	4	4	3	3	3		9
		_				-	~	*	2	2	2	2	2	1	2	2	2	2	2	2	2	2	1	1	- 1	5
MEAN	1	1	1	1	į	1	1	1	1	1	4	1	2	1	1	1	1	1	1	1	1	0	0	1		

PERCENTAGE OF DATA VALID - 97.4 PERCENTAGE OF DATA INVALID - 2.6

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. *- " INDICATES DATA IS UNAVAILABLE
- 3. ******* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

STATION - C NO 35050 MOE LAB RESOURCES RD ETOBICOKE MONTH - DEC 77 HOUR 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 17	0 0	21 22	23 24 MEAN
HOUR 1 2 3 4 5 6 7 8 0 10 11	0 0		23 24 MEAN
	0 00	_	
3 0 0 1 0 1 1 1 1 0 0 0 1 1 1 1 1 1 1 1	0 0 0 0 0 0 0 0 1 1 2 1	0 0 0 0 0 1 1 0 0 0 0 0 1 1 1 1 1 1 2 2	0 0 1 0 0 0 0 0 0 1 2 1 0 0 0 0 0 0 0 0 0 2 2 2 1 1 1 2
13	0 0 4 3 5 6 1 1 1 1		1 2 4 4 3 1 1 2 3 1 1 2 3 1 1 1 2 1 1 1 1 1
21	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 0 1 1 1 1 3 2 0 0 0 0 1 1 1 1 1 1 2 2 2	0 0 1 1 1 1 1 1 1 1 1 1 1 0 0 0 1 1 1 1
MEAN 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1	1 1	1 1 1

PERCENTAGE OF DATA VALID - 97.4 PERCENTAGE OF DATA INVALID - 2.6 PERCENTAGE OF DATA UNAVAILABLE - 0.0 NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- *-* INDICATES DATA IS UNAVAILABLE
- 3. ******* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1977

POLLUTANT . SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION -	NO 35050 MOE LAB	RESOURCES RD ETOBICOKE		
MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAIN	31	1.9	7	15
FEB	27	1.6	8	21
MAR	29	1.2	3	8
APR	28	a. i	3	15
MAY	29	1.1	4	22
JUN	30	1.2	6	23
JUL	28	1.3	5	29
AUG	25	0.8	2	13
SEP	28	0.5	2	7
OCT	28	1.2	5	15
NOV	29	0.8	3	25
DEC	30	1.2	3	6
YEAR	342	1:1	8	29

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1977 POLLUTANT - SULPHUR DIOXIDE UNITS - 0.01 PARTS/MILLION

LUTANI -	50	LPHI	JH D	OXI	UE											011		O	
ATION -	C	NO	350	50		MOE	LAE	R	sou	RCE	S R	D	ETOI	BIC	SKE				
MONTH	00	TO	04	05	то	10	11	то	14	15	TO	25	26	TO	39	40	SOVER	TOTA	L
JAN			664			74			1			4			0		0	7	40
FEB			603			28			6			2			0		0	6	39
MAR		1	670			13			0			0			0		0	6	83
APR)	665			21			1			1			0		0	6	88
MAY		1	678			23			6			3			0		0	7	10
JUN)	690			18			6			4			0		O	7	18
JUL			629			19			2			4			1		0	E	155
AUG			603			6			2			0			0		0	6	11
SEP			669			3			0			0			0		0	6	72
OCT			657			28			0			1			٥		0		86
NOV			689			11			0			1			0		0	7	701
DEC			708			17			0			0			0		0		725
YEAR		7	925			261			24			17			1		0	8:	228

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT
OF DATA
VALID
MIN 10 30 50 70 90 95 98

93.9 0 0.0 0.0 0.3 0.8 2.1 3.5 5.5 ARITH MEAN 1.1 7.2

	PO	LLUTA	NT -	SULPH	UR DIO	XIDE								UNITS	- 0.	D1 PA	RTS/M	ILLIO	N							
	ST	ATION	- 0	NO	44007		2037	PINE	ST BU	RLING	TON					MON	TH -	JAN	77							
HOUR	1	2	3	:4:	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23		MEAN	
1 2 3 4 5 6 7 8 9	2 2 4	2223	2 2 2 3	2 2 2 3	2 1 2 4	2 2 1 3	2 1 2 2	3 2 2 2 2	9 6 5 11	5 5 7 5	4 5 4 3	-	DATA DATA DATA DATA DATA	2 3 1 NVAL I NVAL I NVAL I NVAL I NVAL	ID - ID - ID - ID -	3	5 3 2	3 8 2	5 3 1	2 2 1	2 2 2	2 2 2	2 2 2	2 3		3
11 12 13 14 15 16 17 18 19 20		••••	****					••••			****		DATA DATA DATA DATA DATA DATA DATA DATA	INVAL INVAL INVAL INVAL INVAL INVAL INVAL INVAL	.10 - .10 - .10 - .10 - .10 - .10 -	3	3	3	3	3	3	3	3	3	*****	
21 22 23 24 25 26 27 28 29 30	3 4 3 8 7 3 2 3 2 3	3539632333	9 6 3 2 3	2 3 8 6 3 2 4 2	3 3 8 6 3 1 4 2 3	3 3 3 9 6 3 2 3 2 3	3 3 8 6 3 2 3 4	5 4 4 8 7 4 3 3 2 7	2 4 6 3	3 4 7 5 3 4 4 2	3 6 3	4 3 5 7 6 **** 3 4	3 7 7 2 2 2 3	6 7 5 4 3 2 3	2 3 5 7 4 4 3 2 3	2 6 7 4 2 3 3 3	2 3 3	7 3 3 3 3	3 2 6	3 4 2 2 5	5 7 3 6 2 2 7	3 5 8 4 4 3 3	8 4 3 3	3 8 7 3 3 3 5		3 4 8 5 3 3 4 4
31 MEAN	3		3	-		3		3	5 6	4	4	4	4	3 4	3						4					7
PERCE	NTAGE	OF D	ATA V	ALID												Р	ERCEN	TAGE	OF DA	TA UN	AVAIL	ABLE	- 0.	0		

NOTES 1. "****" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. *- INDICATES DATA IS UNAVAILABLE
 - 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POL	LUTANT	- S	ULPH	HUR DIO	XIDE								UNITS	- 0.	01 PA	RTS/M	ILLIO	N						
	STA	TION -	C	NO	44007	20	37	PINE	ST BU	RLING	TON					MON	TH -	FEB	77						
HOUR	1	2	3	4	5	6:	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1 2 3 4 5 6 7 8 9	3 2 6 1 1 1 0 3 3	3 2 5 1 1 1 0 3 3	3 2 5 2 0 1 1 0 4 2	2 1 4 2 1 1 2 0 4 2	2 1 4 2 6 1 2 0 3 2	2 1 4 2 7 2 2 0 3 2	2242422042	2 2 4 2 2 0 4 2	4 6 6 3 7 2 5 2 5 5	3353423255	3252332353	3 2 4 2 3 4 2 4 5 3	2 2 3 1 2 3 2 3 5 2	2 3 1 2 2 4 4 2	2 3 4 0 2 2 1 5 3 2	1 2 2 0 2 1 1 3 3	2 2 1 1 2 1 1 2 4 1	2 3 1 1 2 1 1 2 3 2	2 4 1 0 2 1 1 2 3	2 3 1 0 2 1 1 2 3	2 1 0 2 1 1 2 4 1	2 3 1 0 1 1 0 2 3 2	1 6 1 0 1 1 0 2 3 3	1 5 1 1 1 0 2 4 3	2 3 3 1 3 2 2 2 4 2
11 12 13 14 15 16 17 18 19	3 3 2 0 	3 2 2 0 3 0 0 1 2 2	3 2 1 0 3 0 0 1 1 2	3 2 2 0 2 0 2 0 2 1 2	2 1 0 2 0 0 0 2	2 2 1 0 1 0 0 2 1 2	1 2 1 0 1 0 0 2 1 2	2 2 1 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	3 7 4 7 7	3 5 2 3 **** 2 **** 2	3 3 2 2	2 2 3 1 5 2 4	3 1 2 1 1 5 2 4	2 2 1 2 1 1 4 1 3	1 2 0 2 4 1 4 1 3	1 1 0 **** 1 4 2 4 1 2	0 1 1 4 2 2	3 1 0 **** 1 1 4 2 2	2 1 0 1 1 6 2 2	2 1 0 **** 1 1 1 5 2 2	2 2 0 1 1 4 3 2	2 2 1 0 1 1 3 3	2 2 0 1 1 2 2 2	3 2 0 **** 0 1 1 2 2	2 2 1 1 1 1 3 2 2
21 22 23 24 25 26 27 28	1 1 1 1 1 1	3 2 1 0 2 1	1 1 2 0 1	1 2 0 1 0 1 1	1	2 1 1 0 1 0 1 1	3 2 1 0 1 0 1 1	3 2 0 0 1 1	3	2 3 2 1 1 1 1	1 3 1 1 1 1 1 2	3 1 1 1 1 1 1 1	3 1 1 1 1 1 1	4 2 1 1 1 1 1 1 1	2 3 0 1 1 1 1 1 1	2 3 0 1 1 1 1 1 1	0 1 1 0	0 2 0 0 1	1 0 2 1	1 1 1 0 0 1 1	1 1 2 0 1 1 1	2 2 1 1 0 1 1 0 0	2 1 1 1 1 1	1 2 1 1 2 1 1 0	2 2 1 1 1 1 1 1 1 1
MEAN	2	2	1	1	2	2	2	2	4	3	2	3	2	2	2	2	1	1	2	1	1	1	1.	1	1.8

PERCENTAGE OF DATA VALID - 93.6 PERCENTAGE OF DATA INVALLD - 6.1 PERCENTAGE OF DATA UNAVAILABLE - 0.3

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3, ****** INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNITS - 0.01 PARTS/MILLION

	PO	LLUTAN	T - S	ULPH	JR DI	OKIDE																			
	ST	ATION	- с	NO 4	44007		2037 F	INE	ST BU	RLING	TON					MON	TH - N	AR.	77						
				- 5						10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
HOUR	1	2	3	4	5	6	7	8	9	10													0	o	0
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ă	i	î	1	1	1	1	1	1		2	1	1	1		_ 1	1	2	- 1	- 1	- 1	3	2	1	1	1
5	i	i	1	1	1	1	1			1	1	1	0	0	0	0	- 1	- 4	- 1	ò	ŏ	ō	0	0	1
6	- 1	1	4	0	0	0	٥	0		2	2	1	- 1	1	- 1	- ;	- 1			ĭ	1	1	1	0	1
7	1	1	0	0	0	0	0	0		****	2	2	- 1	1	1	- :	- 1			'n	ì	3	1	1	1
8	Ó	0	0	0	0	0	0	0		1	3	1	1	2	2	- 1	2	- 1	- 1	ĭ	- 4	1	Ť	1	1
9	1	1	1	1	1	1	1	1	****	2	2	1	2	2	2	,	2	2		- 1	i	1	1	1	1
10	1	1	1	1	1	1	1	- 1	1	1	2	2	2	_		-		-		(
							- 20	220	220	2	2									••••					
1.1	1	1	1	2	2		1	2	3	4	- 4	3	2	2	2	2	1	1	1	1	1	1	1		2
12	****	****		••••	••••	••••	3	3	•	- 7	- 3	2	2	- 7	- 7	- 1	1	1	1	1	1	1	1	0	1
13	1	1	1		1	- 4	1	- 1	- 1	- 7	- 7	- 1	ō	ò	ò	o	0	0	0	0	0	0	0	0	o
14	0	0	1	1	- 1	1		2	1		4	1	ő	ī	1	1	1	1	0	0	1	1	1	1	
15	0	0	0	0	- 1	- 1		1	•		- 4				1	1	1	1	1	1	1	1	1	1	1
16	- 1	1	1	2		1	1	1	2	- 1	- 1		1	1	1	1	1	1	- 1	11	1	1	1	1	1
17	1	1	1	1	1	2		- 1	- 1		- 1	- 9	1	1	1	2	1	1	1	1	1	1	1	1	1
18	- 1	2	2	1	1	- 1	-	2	,	2	2	1	1	1		2	2	2	2	3	5	6	4	3	2 2
19	1	. 1	2	2	2		2	2		2	1	1	1	2	1	2	2	2	2	2	1	2	2		240
20	2	2	2	2	- 4	-	-	-	-	_									-				1	1	2
	1	1	-	1		1	1	2	3	2	2	2	2	2			2	2	2	3	- 1	- 1		- 1	•
21	ò			1	•	1	1	1	1		2	1	1	1	0		0	1	1		- 1	- 1	100		i
22	2		- 4	- 1	i	1	1	1	2		1	1	,	1	0	1	1	- 1			- !	- 1		- 4	i
23	- 1	- 7	÷	- 1	1		1	2	2	- 1	1	1	1	1	1	1	- 1	1	- 1		- 1	- 4	- 1	2	1
24 25 26	i	- 1	i	2	2	2	2	3	2	1		1		1	1	1	2	,	- 1	1		- 6	- 4	1	2
26	3		3	3	2	3	4	5	3	2		1	1	1	. 1	2			1	,	- 1	2	2	2	2
27	2	2	2	3	5	3	4	4			2	2	1			•	'n	- 4	- ;	- 7	1	ō	0	1	1
27 28	2	ī	1	1	1			1	. 1	1	1	1		1		- 1	1	- 3		i i	1	1	1	1	1
29	1	1	Ö	0	0) 1	1	1	2				, ,	2		- 1	1	1	1	1	1	1
30	1	1	0	0	0	0	0	1	1	- 3		- 1		•					3						
31	1	•	2	1	1	1	- 1	1	i 1	3	1	1			0 1	1	0	0		1	0	1	0	0	1
MEAN	1	1	1	1	,	1	1	4		2 1	2	1	ı i		1 1	1	1	1	3	E 1	1	1	1	1	1.2

PERCENTAGE OF DATA VALID - 95.6

PERCENTAGE OF DATA INVALID - 4.4

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. "**** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. .. INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEJS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

UNITS - 0.01 PARTS/MILLION POLLUTANT - SULPHUR DIOXIDE MONTH - APR 77 2037 PINE ST BURLINGTON 22 23 21 14 15 16 17 20 HOUR 3 2 2 1 1 1 2 2 2 DATA INVALID -DATA INVALID -2 1 2 3 2 1 2 3 4 5 6 7 8 9 0 0 0 1 0 0 0100 0 1 0 1 0 002 002 0 11 12 13 14 15 16 17 18 19 20 0022322131 0 2 2 0 4 3 0 00 0 21 22 23 24 25 26 27 28 29 30 0 0 1 0 0 0 010 0 0 0 0 0 1.0 MEAN

PERCENTAGE OF DATA VALID - 86.7

PERCENTAGE OF DATA INVALID - 13.3

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. *- INDICATES DATA IS UNAVAILABLE
- 3. ******* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNITS . O. D1 PARTS/MILLION

	ST	ATION	- 9	NO.	44007	7	2037	PINE	ST BL	RLIN	TON					MO	NTH -	MAY	77						
HOUR DAY		2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1 2	.1	1	1	2	3	3	3	4	3	3	2	1 - D	ATA U		1 LABLE	. 2	1	1	1	1	• • • •	• • • •	••••	••••	2
3	****	0	0	0	0	0	91	1	O	0	1	0		1	1	1	1	- 1	- 1			1	2	1	
4	1	- 1	1	1	1	1	- 3	3	2	1	1	1	1	- 1	- 2	1	- 1	2	2	2	- 2	- 1	2	2	- 1
5	2	1	2	1		1	1	1	1	1	Ý	1		- 1	- 2	1	- 4	- 7	1	- 1	- 4		ō	ő	
6	1	1	1	1	1	- 1	3	4	2		- 1		- 1		- 4	1	- 1	- 4	- 1		- 4	- 4	o	0	
7	1	1	- 1	0	0	19	2	3	1	1	1	1	- 1	4	- 1	- 1	- 1	4	o	- 1	- 1	- 4	Ö	0	
В	1	1	1	0	Ő.		1	1	- 1	2	- 1	- 1	. 1	- 1	- 1	- 1	- 1	- 4	ĭ	- 1	0	0	·	,	
9		1	1	1	1	- 1	2	4	2	1	- 1	o		2	- 1	- 4	- 1	4	- 4	- 1		1			- 1
10	1	1		,		2	3	4	3	2	- 4	1	2	2		2	2	2	- 1		2	1	- 1	2	2
11				Ċ					-				-	- 2				. ,=	- 1		_				-
12	1	- 1	1	3	1	2	3	3	3	2	****	****		****				****		****	2	2	2	2	*****
	2		1	1		0	1	2	1	1	- 3		1	- 1	1	- 1		1	2	1	1	1	1	1	1
13	2	1	1	1	2	2	- 1	. 1	1	1	1	****	- 1	1	1	- 1		1	- 1	1	1	- 1	1	1	1
	1	1	1	1	1	2	1	4	4	2	2	1	2	1	3		2	2	2	2	2	1	1	2	2
15	2	2	2	3	3	3	2	4	4	3	3	3		2			2		2	2	2	2	2	2	2
16	1	1	1	1	2	2	2	2	3	2	4	3							2		2	2	2	2	2
1.7	2	2	2	2	2	3	4	4	3	3	4	2	3						3		3	2	2	2	3
18	3	2	3	3	2	2	2	2	2	2	2	2					3		2	2	2	3	2	1	2
19	2	2	2	2	1	2	- 1	- 1	2	2	2	3		4			3		2		3	3	2	- 1	2 2
20	3	2	2	2	2	1	1	1	2	2	2	1	0	1	2	2	2	2	2	3	2	2	1	1	2
21	1	0	1	1	1	1	1	1	2	2	2	1							3		2	2	2	2	2
23	2	2 2	2	3	2	2	2	2	4	3	3	3					3		2		2	2	1	1	2
24	2	2	2	2	2	2	2	2	2	2	2	2					2		1	2	2	2	2	2	2
24			2			2	2	1	2	2	2	0						1	1	0	0	0	0	0	7
25 26	0	0	0	0	0	0	0	0	1	2	0	0		2		2	2	1	- 1	1	1	1	0	0	1
26	0	0	0	0	0	0	0	0	1	2	0	0	0	0	0		0	0	- 1	. 1	1	1	1	0	0
27	0	0	0	0	0	0	0	0	1	2	0	1	****	****		****	****	****		****	****			****	*****
28												-		INVA											
29		water to											DATA	INVA	LID -										
30		****	****	****	****		****	****	****		****	****	****	****		****	****	****		****		••••	****	2	*****
31		1	1	.1	1	0	0	1	2	2	1	1	1	••••	****	• • • • •	• • • • •	****	****	****	****	****	• • • • •	****	*****
MEAN	1	1	1	1	1	1	2	2	2	2	2	1	2	2	2	2	2	2	2	2	2	1	1	1	1.5

PERCENTAGE OF DATA VALID - 81.9 PERCENTAGE OF DATA INVALID - 14.9

PERCENTAGE OF DATA UNAVAILABLE - 3.2

NOTES 1. ****** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. " " INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

UNITS - 0.01 PARTS/MILLION POLLUTANT - SULPHUR DIOXIDE STATION - C NO 44007 2037 PINE ST BURLINGTON MONTH - JUN 77 7 8 9 10 11 12 13 14 15 16 17 21 22 23 24 MEAN 3 4 HOUR DAY Ó 12 13 14 15 16 17 0 0 0.9 MEAN

PERCENTAGE OF DATA VALID - 96.7

PERCENTAGE OF DATA INVALID - 3.3

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- " " INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEJS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT . SULPHUR DI CIDE

UNITS - 0.01 PARTS/MILLION

	ST.	ATION	. (NO.	44007		2037	PINE	ST BU	RLING	TON					MON	тн -	JUL	77						
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
DAY																					_		0	0	1 147
1	1	1	1	î	1	1	1	1	3	1	1	1	. 1		1	1	1	1	1	0	0	0			
2	o	0	0	0	0	0	0	0	2	0	0			****			• • • •		••••		••••	• • • •			
3													DATA	INVAL			_	-	-		2	2	1	9	
4		••••					••••	••••					2	2	2	2 2	2	2	2	2	2	2	î	- 1	1
5	1	1		1	1	Ţ	1	1	1	1	1	0	,	0	2	ő	0	0	0	ó	ő	õ	ò	ó	0
6	1	1	1	3	1	1	1	1	0	0	0	0	ò	0	0	0	ŏ	o	ő	ő	ĭ	ő	1	2	0
7	0	0	0	0	0	0	0	0	0	0	0	0				,	ĭ	1	,	ő	o	ō	0	ō	1
8	2	2	1	1	0	0	0	0	0	0	1	ĭ		,	ì	2	1	ò	o	ŏ		0	0	0	. 0
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11	0	0	0	0	0	0	0	0	0	0	0	0			0	0	0	1	1	1	0	1	0	1	100
12	1	1	1	1	3	1	1	1	1	1	1	1	1	1	1	1		1	1	1		- 1	ò	,	
13	1	1	1	1	- 1	0		1	1	1		1	1	1	- 1	1	0	ò	ò	2	0	3	3	á	
14	0	0	0	0		0		2	1	3	3	3		0	0		2	2	2	1		1	ĭ	ĩ	2
15	1	1	2	2		- 1	2	2	2	2	2	3	2	3	3	2	2	2	2	2	- ;	- 1	1	1	1
16	1	1	1	0	0	0		1	1		- 2	3	2	2	2	- 5	2	5	5	2		î	1	•	1
17	1	1	1	1	1	1	1	- 1		2				- 1	2	2	2	- 7	- 7	ī		0	0) 1
18	1	- 1	1	1	0	1	0	1	1	- 4	1		0	ò	ő		1	1	- 4	1	ō	0	0		
19	1	1	1	1 0	0	0			0			1	1	2	2	2	2	2	2	2		1	1	1	1
20	0	0	0	O	U	U	Ü			1						- 5		_	_	-			0		0
21	1	1	1	1	1	1		1	0	0	0				1	0	0		0	0					0
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23	0	0	0			0	The second	1	0	0	0	C	0	0	0	0			1						*****
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28	1	0	0							1	1		****	2	2	1	1	1	1	1	1	- 1	1	1	1 1
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31	0	0	0	0	0	С	0	0	0	0	0) 1		2	2	2	2	2	2	f 3		8 4		
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PERCE	NTAGE	OF D	ATA V	ALID	- 90.	9		PERC	ENTAG	E OF	DATA	INVA	LID -	9.1		P	ERCEN	TAGE	OF DA	TA U	IAVAI	ABLE	- 0.	0	

NOTES 1. "**** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ***** INDICATES LEJS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT . AIR RESORCES BRANCH

	POL	LUTAN	iT - !	SULPH	UR DI	XIDE								UNITS	- 0.	01 PA	RTS/M	ILLIO	N						
	STA	TION	- с	NO	44007		2037	INE S	T BUE	RLING	TON					MON	TH -	AUG	77						
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	30	21	22	23		MEAN
1 2 3 4 5 6 7 8 9	1 0 1 1 1 0 0 0 0	1 0 1 0 0 0	1 0 1 1 1 0 0 0 0 0 0	1 0 1 2 1 1 0 0 0 0 0	1 0 0 2 1 1 0 0 0 0 0	1 0 0 1 1 1 0 0 0 0 0 0	1 0 0 0 0 0 0 0 0	1 0 1 1 1 0 0 2 1 0 0	1 1 2 1 0 0 0 2 0 0 0	1 1 2 1 0 0 1 2 0 0 0 0	1 1 2 2 1 0 0 1 2 0 0 0	100120000000000000000000000000000000000	1022000000	1 1 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	22120000	0 1 1 2 1 6 0 0 0 0 0 1	0 1 1 2 1 6 0 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0 1 1 2 1 3 1 0 0 1	0 1 1 2 1 0 0 0 0 0	0 1 1 2 2 1 1 0 0 1 1 0 0 1	0 1 1 2 2 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0	0 1 1 2 2 0 1 0 0 0 0 0 0 0	1 1 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 1 1 2 2 2 0 0 0 0 0	1 1 2 1 1 0 0 0 0 0 0
12 13 14 15 16 17 18 19	1 0	0 1 0	0 1 1 0	0 1 1 0	0 1 1 0	0 1 1 0	0 1 1 0	1 1	1 1 0	1	0 0		DATA DATA DATA DATA	I NVA I NVA I NVA I NVA	LID - LID -				0				0		0
21 22 23 24 25 26 27 28 29 30	1 0 0 0 0 0 2 3	0 0 0 2 3 0	000000000000000000000000000000000000000	0000		000000000000000000000000000000000000000	1 0 0 0 1 2 2	1 1 2 3 2 2 2 2	1 1 1 4 1 3 3	1 3 1 2 2 3 2 0	 1 2	0 3 2 1 2 2 2	0 0 2 2 1 2 3	1 3 2 3 1	0 0 1 1 2	0 0 1 1 2 3	0 0 0 1 1 2 3 3 0 1	0 0 1 1 2 3	2	0 1 1 2 3	0 1 0 0 2 3 0	0 2 3 0	0 2 3 0	0	1 1 2 3 1
31 MEAN	0	0	0	0	0	0	0	0	0	0	1						1	1	1	1	1	1	1	1	

PERCENTAGE OF DATA VALID - 74.7 PERCENTAGE OF DATA INVALID - 25.3

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. *- INDICATES DATA IS UNAVAILABLE
- 3. ******* INDICATES LEJS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - SULPHUR DIOXIDE UNITS - 0.01 PARTS/MILLION

															100										
	ST	ATION	- C	NO	44007		2037	PINE	ST BU	RLING	TON					MON	TH -	SEP	77						
HOUR DAY	1	2	3	4	5	6	7	8	9	10	1.1	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1 2 3 4 5 6 7 8 9	1 0 1 0 0 1 0 2	1 0 0 0 1 0 0 2	0 0 0 1 0 0 1 0 2	1 0 0 0 1 0 1 1 0 2	1 0 0 0 1 1 0 1	0 0 0 0 1 0 1 1 0 1	1 0 0 0 1 1 1 1 1 1	1 0 4 2 3 0 1 2 1 3	1 0 1 2 1 0 1 1 1 1 1	1 0 1 1 1 1 1	1 1 1 1 2 2 0 2	1 1 1 1 1 2 2 2 0 2 2	1 1 1 1 1 1 1 0 3	1 1 1 1 1 0 3	2 1 1 1 1 1 1 1 0 3	2 1 1 1 1 1 1 1 0 3	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 4	1 1 1 1 2 1 1 1 1 3	1 1 0 1 1 1 1 0 0 0 3	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 1 0 1 1 1 0 0 0 3	0 1 0 1 0 0 0 0 0 2	0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 1 1 1 1 1 1 1 1 2
11 12 13 14 15 16 17 18 19	000000000000000000000000000000000000000	000000000000000000000000000000000000000	000000000000000000000000000000000000000	000000000000000000000000000000000000000	000000000000000000000000000000000000000	000000000000000000000000000000000000000	000000000000000000000000000000000000000	1 0 0 0 0 0	000000000000000000000000000000000000000	0 1 0 0 0	**** 0 1 0 1 0 0 0 0	0 1 0 0 0	DATA 0 0 1 0 1 0	INVAL INVAL 0 0 0 0 0 1 0		0 0 0 0 1 0	0 0 0 0 1 0 0 0	0 0 0	000000	000000	0 0 0 0 0 0	0000000	0 0 0 0 0 0 0	000000	0 0 0 0 0 0 0 0 0 0
21 22 23 24 25 26 27 28 29 30	0 0 0 1 1 0 0 0 0 0 0	0 0 0 1 1 0 0 0 0 0 0	0 0 0 1 1 0 0 0 0 0	0 0 0 1 1 0 0 0 0 0	0 0 0 1 1 0 0 0 0	0 0 0 0 0 0 0 0 0	1 1 0 0 0 0	0 0 2 2 0 6 3	0 0 1 0 1 1 0 1 1	0 0 1 0 0 0 0 0 0	0 1 1 0 0 0 0 0 0 0 0	0 0 1	0 0 1 1 0 0	0 1 0 0 1 1 0 0 0 1	0 1 0 0 1 1 0 0 0 0 0	0 1 0 0 0 0 0 0 0	0 1 0 0 0 0 0 0 0	0 0 0 2 1 0 0 1	0 0 1 1 2 1 0 0 0 1	0 1 1 1 2 1 0 0 0	1 1 1 0 0 0 0	1 1 1 0 0 0 0	0 0 2 1 1 1 0 0 0 0 0	0 0 1 1 1 1 0 0 0 0 0	0 0 1 1 1 1 0 0 0 0 0 0
MEAN	0	0	0	0	0	0	0	1	1	0	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0.5

PERCENTAGE OF DATA VALID - 89.3 PERCENTAGE OF DATA INVALID - 10.7

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. "****" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. *-" INDICATES DATA IS UNAVAILABLE
- 3. "***** INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	PO	LLUTA	NT -	SULPH	UR DI	OXIDE								UNITS	- 0	.01 PA	RTS/N	MILLIC	IN.							
	ST	ATION	- 0	NO	44007		2037	PINE	ST BU	RLING	TON					MON	тн -	OCT	77							
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1 2 3 4 5 6 7 8 9	0 0 0 1 1 2 2 1 3 1	0 0 0 1 1 2 2 1 3 1	0 0 0 1 1 2 1 1 3 1 0	0 0 0 1 1 2 1 1 2 1	0 0 0 1 1 1 0 1 2 1 0	0 0 0 1 1 2 0 1 2 1	0 0 0 1 1 1 0 1 2 1 1	0 0 1 2 2 3 1 1 1 1 1 1	0 0 0 1 1 1 1 1 2 2 2 3	1 0 0 1 1 1 1 1 1 2 1	2 0 1 0 0 0 1 2 1	2 0 0 0 0 0 0 1 2 1	2 1 1 0 0 2 1 1 1	1 0 0	2 1 1 0 1 2 2 1 1 1 3	2 1 1 1 1 2 2 1 1	2 1 1 1 2 2 1 1 2	2 2 **** 6 1 1 2 2 2 1	2 1 1 1 1 2 2 2 1	2 1 1 2 1 2 2 2 2 1	1 1 2 1 2 2 2 2	1 2 2 2 2 1 1	1 1 2 1 2 2 1 1	1 2 1 2 2 2 2 1 1 1	1 1 1 1 2 1 2 1	
12 13 14 15 16 17 18 19 20	1 1 2 0 1	1 1 1 0 0	1 1 1 0 0	1 1 0 0 0	1 0 1 0 0	0 1 1 0 0 0	0 0 0	0	2	**** 1 1	1 1 1 0 0	1 1 1 1 0	ATA U	0 1 1 2	O 1 1 2 0 LABLE LABLE	0 1 1 1 0 0 -	0 1 1 1 0 0	0 1 1 2 0	2 1 3 2 2 2	1 1 2 1 1 1	1 1 1	1 0 1	1 1 0 1	1 1 0 1	1 1 1 1 0	
21 22 23 24 25 26 27 28 29 30	0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	00011	000000000000000000000000000000000000000	0	0000	0000	2 2 2 2 1	0 1 2 1 0 0 1	0 1 2	0 1 0 0	0	****	0 0		1 1 0	1 1 0 1	0 1 1 1 1 2 2 1 1 1	0 2 1 1 2 1 0 2	2 2 2 2 2 2 2 1	0 2 2 2 2 2 1 1 1	0 2 3 2 1 2 1	0 2 2 2 2 	0 2 2 2 2	1 1 0 0 0	
31 MEAN	0	0	0	0	0	0	0	0	4	1	1	-	1		1	1	1	1	1	1	1	1	1	1	0.9	

PERCENTAGE OF DATA VALID - 78.8 PERCENTAGE OF DATA INVALID - 8.5 PERCENTAGE OF DATA UNAVAILABLE - 12.8

- 2. "-" INDICATES DATA IS UNAVAILABLE
 - 3. ****** INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE

UNITS . O.D1 PARTS/MILLION

	ST	ATION	٠	NO	44007		2037	PINE	ST BL	IRLING	TON					MON	TH -	NOV	77						
DAY	1	2	7.	4	5	6	7	8	9	10	11	12	1.3	14	15	16	17	18	19	20	21	22	23	24	MEAN
1 2	0	0	ذ	0	0	0	0	0	2	1 2	1 2	1 2	0	0	1 2	0	0	1	1 2	1 2	1	1 2	1 2	1 2	1
3	1	1	ő	ŏ	ŏ	0	ő	0	2	2	2			1	1	- 1	ò	- 1	1	1	1	1	1	1	i
4	1	1	1	1	1	ī	1	ĩ	1	ī	- 1	ī	0		- 1		õ		ò	ò	ò	ò	ó	ó	1
5	1	1	0	0	0	0	0	0	1	- 1	1	3	3	2	2	0	0	0	2	2	2	0	2	2	1
6	2	2	1	1	1	1	0	0	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1
7	1	1	1	1	1	1	1	1	2	- 1	1	1	2	****	1	1	1	1	1	1	1	1	1	1	1
9	0	1	1	1	1	1	1	1		2	2	2	2	1	1	1	1	1	1	0	0	3	0	0	1
10	3	0	0	0	0	0	0	0		1	1	1	1	- 1	0	0	0	0	0	1	3	3	3	3	1
10	3	3	2	2	2	2	2	1	2	2	2	2	****	3	2	2	2	1	1	7	1	1	1	1.	2
1.1	0	0	1	1	1	1	٥	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0
12	0	0	0	0	0	0	0 0 0	0	0	1	0	0	0	0	0	0	0	0	0	0	ō	0	0 2 2	0	0
13	0	0	0	0		0	0	0	0	0		0	1	1	1	1	1	1	1	1	1	1 2 1	2	2	1
14	2	1	1	1	1	1	0		1		3	3		••••	5	6	5	4	3	3	2	2	2	1	2
15 16	2	1	1	1	1	0	0	0	1	3	1	1	****	2	1	1	1	1	1	2	1		1	0	1
17	2	2	1	- 1	- 1	1	- 1	1		3	2	1	- 1	- !	2	4	2	- 1	2	2	2	2	- 1	2	2
18	- 1	- :	- 2	- 1	ò	0	6					0	!		2			!	2	2	!	!			
18 19					••••		****					ő	0	1		1	1	0	1	0	0	0	0	0	
20	0	0	0	0	0	0	0	0	0	1	1	ĭ	ī	i	1	i	1	1	i	1	2	2	2	Ĩ	1
21	9	2	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	2	1	0	0	0	0	1
21 22 23 24 25 26 27 28 29	0	0		0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	ĭ.
23	- 1	0	0	0	0	0	0	0	1	1	- 1	.1	1	1	1	1	1	1	1	1	1	- 1	1	1	1
24	- 1	0		1	1	1	1		2	1	1	1	1	1	1	0	0	0	0	0	0	0 0 0 3 3 2	1	0	
25	0	ő	0	0 0 0 2	0 0 0 2	0 0 0 2	0	0	3 0 0	0		1 0	1	- 1	1	1	- }	0	1		0	ŏ	0 0 3 3	0	ò
27	Ö	ő	ő	ŏ	0	0	0	ő	0	0		1	1	1	1	1	i	1	0	0 3 2	0	0	ŏ	ő	ŭ
28	ŏ	ŏ	ŏ	ő	õ	ő	0 0 2	ő	Ö	ŏ	ŏ		2			3		1 3 2	3	3	3	3	3	3	1
29	0	2	0	2	2	2	2	2		3	2	2	2	2	2	3 2	2	2	3	2	3	3	3	3	2
30	3	3	3	3	3	3	3	3	•••	3	2	2	2	1	2 2 2	1	1	1	2	2	2	2	3	3	2
MEAN	1	1	1	1	1		0	1	1	•	1	1	1	1	1	1	7	•	1	1	1	1	1	1	1.0

PERCENTAGE OF DATA VALID - 95.1 PERCENTAGE OF DATA INVALID - 4.9

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POLI	UTANT	· s	ULPH	UR DIOX	1DE								UNITS	- 0.	01 PA	RTS/M	ILLIO	N						
	STAT	ION -	С	NO	44007	203	7	PINE	ST BL	RLING	TON					MON	TH ~ (DEC	77						
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1 2 3 4 5 6 7 8 9	2 1 0 0 0 0 0 0 0	000001	2100000001	200000001	000000000000000000000000000000000000000	1000000001	1000000001 0	100000000000000000000000000000000000000	210000000000000000000000000000000000000	200000000000000000000000000000000000000	3 0 0 0 0 1	3 1 0 0 0 1 ****	20000110012	20001100112222	2 0 0 1 0 0 1 1 1 1	2001	000000000000000000000000000000000000000	000000000000000000000000000000000000000	200000000000000000000000000000000000000	000000000000000000000000000000000000000	000000000000000000000000000000000000000	200000000000000000000000000000000000000	000000000000000000000000000000000000000	100000000000000000000000000000000000000	0 0 0 0 0 0 1 1
12 13 14 15 16 17 18 19	0 2 1 1 2 1 1 2	0 0 2 1 1 1 1 1 1 2	0 2 1 1 1 1 1 2	0 1 2 1 1 1 1 2	0 1 1 1 1 1 1 2	0 1 1 1 1 1 1 1 2	0 1 1 1 1 1 1 2	0 1 2 1 1 1 1 2	0 1 2 1 2 1 1 2	0 2 1 1 1 1 1 1 2	1 1 1 1 3	2 1 2 1 1 1 1 2 -	2 1 1 2 1	2 1 2 2 2 2 2 2 1 1 1 1 2 1	2 2 0 2 2 2 2 2	2 1 0 1 2 2	1 1 0 2 1 3	2 1 0 2 2 3	1 2 1 2 3	1 2 2 1 1 2 2	1 2 1 2 1 3	1 2 2 1 1 2 2	2 2 2 2 2 2 2 2	1 1 1 2 2	1 1 2 1 1 1 2
21 22 23 24 25 26 27 28 29 30	2 1 1 1 0 0 1 1 1 1	2 1 1 1 1 0 0 0 1 1 1 2 2	1 1 1 0 0 1 1 1	1 2 2 1 1 0 0 1 1 1 1	1 2 2 1 1 0 0 1 1 1 1	1 1 2 1 1 0 0 0 1 1 1 1	1 2 2 1 1 0 0 1 0 1	1 2 2 1 1 1 0 1 1 1 2	2 2 1 1 0 2 2	1 2 2 1 1 0 1 1 1	3 3 2 1 1 0 1	2 1 2 1 0 1 ****	1 0 0 0 1 5	0 0	2 1 1 3 1 0 0 1 3	0	1 1 0 0 0 0 1 2	2 1 1 0 0 0 0 0 1 2	2 1 1 2 0 1 0 0 1 1	2 1 2 0 0 0 0 1	2 1 1 2 0 0 0 0 0 1	2 1 1 2 0 0 0 0 0 1	2 1 1 2 0 0 0 0 0 1 1	2 1 1 2 0 0 0 0 1 1 1 1 1 1 1 1 1 1 1 1	2 1 1 2 1 0 0 1
MEAN	1	1	1	1	1	1	1	1	1	1	1	1	1	. 1	1	1	1	1	1	1	1	1	1	1	0.9

PERCENTAGE OF DATA VALID - 89.4 PERCENTAGE OF DATA INVALID - 10.6

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1977

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1977

POLLUTANT - SULPHUR DIOXIDE UNITS - 0.01 PARTS/MILLION

STATION -	C NO 44007 2037	PINE ST BURLINGTON	ř.		
MONTH	NO OF DAYS	AVERAGE	CONCENT 24-HOUR	MAXIMUM MAXIMUM	READING
JAN	14	3	3.7	8 12	
FEB	27	1	.8	4 7	
MAR	30	,	.2	2 6	
APR	25	1	.0	2 4	
MAY	24	1	.5	3 5	
JUN	29	C	1.9	3 5	
JUL	27	C	.7	2 4	
AUG	22	C	.8	3 6	
SEP	26	0	.5	2 6	
OCT	22	0	.9	2 6	
NOV	28	1	.0	2 6	
DEC	28	0	.9	2 5	
YEAR	302	1	.1	12	

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

POLLUTANT	- SUL	PHUR	10010	DE											UNI	TS -	0.0	1 PAR	TS/MIL	LLION			
STATION -	C	NO 44	007		203	7 PI	NE	ST	BURL	ING	TON												
MONT	н оо	TO 04	05	TO	10	1.1	то	14	15	то :	25	26	то	39	40	&OVE	R	TOTA	L				
MAU		276			78			3			0			0			0	3	157				
FEB		601			28			0			0			0			0	6	29				
MAR		707			4			0			0			0			0	7	11				
APR		624			0			0			0			0			0	6	24				
MAY		608			1			0			0			0			0	6	09				
JUN		695			î			0			0			0			0	6	96				
JUL		676			0			0			0			0			0	6	76				
AUG		554			2			0			0			0			0	5	56				
SEP		642			1			0			0			0			0	6	43				
OCT		585			¥			0			0			0			0	5	86				
NOV		682			3			0			0			0			0	6	85				
DEC		663			2			0			0			0			0	6	65				
YEAR		7313		1	21			3			0			0			0	74	37				
FREQUENCY	DISTR	RIBUT	ON B	BY P	ERC	ENTI	LES																
	OF DA	ATA								Fos	OUE	NAV	CON	CEN	BULT	IONS							
	VAL		MIN	t		10			30	· KC	50	rat I	7	0		90		CENT 95	98		99	MAX	MEAN
	84	4.9	0			0.0		0	0.0	0).4		15	0	2	. 0	2	. 8	3.8	5	6.0	12	1.1

UNITS - 0.01 PARTS/MILLION

	, 0	LLU . A.		JOLIN	on Di	ONLDE									9.0	F 2 1/25									
	ST	ATION	-	C NO	44010		129B F	REBECC	A ST	OAK	VILLE					MON	th - P	JAN	77						
DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 M	EAN
1 2 3 4 5 6 7 8 9	0 1 1 4 1 1 4 0 2 7	0 1 7 1 1 4 1 2 9	3 1 4 1 3 1 7	0 1 4 2 1 3 1 1 5	0 0 1 5 1 1 4 0 1 5	0 1 2 1 1 4 3	0 0 0 2 1 1 4 3 1 5	0 0 1 2 1 1 4 2 1 5	0 0 1 1 2 3 2 1 4	0 0 2 1 1 3 1 2 1 4	0 1 2 1 1 2 1 3 1 4	0 1 2 1 1 2 1 3 1 4	1 0 2 1 0 2 0 2 1 3	1 1 2 0 0 2 0 2 2 3	1 1 2 1 1 8 0 2 4 3	1 1 2 1 1 9 0 3 3	1 2 0 1 8 0 2 3 2	0 1 2 1 1 9 0 2 4 2	0 1 1 1 6 0 2 5	0 1 1 1 4 0 3 4 2	0 1 1 3 0 1 1 2	0 1 1 1 4 0 2 1 1	1 1 2 1 1 4 0 2 2 2	1 1 2 1 1 4 0 3 4 2	0 1 1 2 1 3 2 2 2 4
11 12 13 14 15 16 17 18 19	2305500000	2415400000	2 0 4 3 0 0 0 0 0	3 2 0 4 3 1 1 0 0 0	2 2 0 4 3 1 0 0 0 0	2 3 1 5 2 2 0 0	2 3 1 6 2 1 0 0	1 2 1 7 2 1 1 1 0 0	1 2 1 6 3 1 1 1 0 0	1 3 1 7 4 1 1 0 0	1 3 1 7 4 1 2 0 1	1 2 7 3 1 2 0	1 3 7 4 0 1 0 3	1 1 2 6 2 0	1 1 3 6 2 1 1	1 1 3 5 2 1 1 0 0 1	1 1 3 6 1 1 2 0 0	1 0 3 7 1 1 0 0 1	1 0 5 7 1 1 0 0 0 1	102611002	1 1 3 5 1 1 0 0 2	1 1 3 5 1 1 0 0 3	2 1 3 5 1 0 0 0 4	3 5 1 0 0 0 3	2 2 6 2 1 1 0 0
21 22 23 24 25 26 27 28 29 30	3 2 0 7 4 0 3 5	2 3 1 8 4 0 3 4	2 4 1 10 4 0 2 5	2 2 1 10 4 0 2 3	2 2 1 8 3 0 2 3	2 2 1 9 4 2 2 3	2 1 1 8 5 1 2 3	2 1 1 8 5 0 4 3	2 1 2 7 5 1 1 3	1 1 4 6 5 2 3 4	1 0 2 5 4 2 4 4	1 1 2 5 3 1 3	01266322	0 1 3 5 2 2 2 2 2 2 0 0	0 1 4 6 2 1 2 2 0	0 1 5 5 2 1 2 3 0	1 2 5 5 1 1 2	1 4 5 5 0 2 3 3 2 1	0 1 5 5 0 2 5 2 1	0066025121	0 6 6 0 2 3 1 2	0 5 6 0 3 4 1 2	0 1 4 6 0 3 5 1 2	2 1 5 5 0 3 2 6 1 2	1 1 3 7 3 1 3 3 3
31	2	3	3	2	3	1	1	2	2	1	1		••••	1	1	2	2	2	2	3	1 2	1 2	0	0	1.9
MEAN	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	4	-	1.9

PERCENTAGE OF DATA VALID - 96.9

PERCENTAGE OF DATA INVALID - 3.1

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. ****** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. .. INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEJS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

PERCENTAGE OF DATA VALID - 89.3

PERCENTAGE OF DATA INVALID - 10.7

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. -- INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

	PO	LLUTA	NT -	SULPH	IUR DI	OXIDE								UNITS	- 0	01 PA	RTS/N	HILLIC	N.						
	ST	ATION		C NO	44010		1298	REBEC	CA ST	OAK	VILLE	3				MOM	TH -	MAR	77						
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1 2 3 4 5 6	0 0 1 0 2	0 0 1 0 2 1	0 0 1 0 3	0 1 0 3	1 0 1 0 3	1 0 1 0 2 0	1 0 1 0 2 1 0	0 0 2 0 2 1 0	0 0 2 0 2 1 0	1 0 1 0 2 1 0	0 0 1 0 2 1	0 0 1	1 2			1	1 1	0	0	0	0	1 0	0 2 0	1 0	1 2
7 8 9 10	0 ••••		0	0	1	0	****			-	****	2	DATA	I NVAL	2 2		3 2	7 2	8	8	3	4	7	4	2
11 12 13 14	0 2 0 1	0 2 1 1	0 2 1 0		1 1 0 1	0 1 0 1	0 2 1 0	1 1 0	3 1 1 0	1 1 1	2 1 2 0 1	1 1 1	3 1 2 1 1	1 1 1 1 1 1 1 1 1	1 1 1	1 1 1	1 1 1	1 1 1	2 1 1 1	3	2 1 1	1 1	1 1	1 1	2 1 1 1
16 17 18 19 20	3 1 1	1 1	1 1 3	1	2 1 1 3	1 1 3	1 1 2	2 3 1	1 1	1 6 1	1 4 	3	1	1	3	3	1 2 ****	1 2 ****	1 2 ****	1 2 ••••		1	1	****	1
21 22 23 24 25 26 27 28 29 30	2 1 1 0 0 3 4 3 0 1	3	2 0 1 3 1	0 1 3 1	1 1 0 1 3 1 1 0	0 3 1 0 0 3 1 1 1 0 0 1	1 0 0 3 1	3 1 0 0 3 2	1 3 0 0 0 2 1 1 0 1	3 2 0 0 0 1 1 1 1 0 1	2 4 1 0 0 1 2 1 0	0000	0 0	1 0 4	1	1 0	4	2 1 0 5	7	9	5	0 3 3 1 0 2	3 1 0 1	1 0 0 3 2 2 2 0	2 1 0 1 2 1 1 2
31 MEAN	0	0	1	1	1	1	0	0	0	1	1	1		0	1	1	1	2	-			1	1	1	

PERCENTAGE OF DATA VALID - 82.8 PERCENTAGE OF DATA INVALID - 17.2 PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POI	LLUTAN	ıT -	SULPH	UR DI	OXIDE								UNITS	- 0.	01 PAR	RTS/M	ILLIO	N						
	STA	ATION		C NO	44010		1298	REBECCA	ST	OAK	VILLE					MON	гн - 1	APR	77						
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
DAY																_				2	2	2		2	1
1	0	0	0	D	0	0	0	1	1	2	1	- 1	****	1	1	3	2	2	2	2	1	1	2	2	1
2	2	2	2	2	2	2	2	2	1	1.	3	- 1	- 1	1	1	- 1	- 1	- 1	â	î	1	1	1	1	1
3	3	2	2	1	2	2	1	1	1	2	1	1	1	1	- 1	1	ó	ò	o	ò	ó	0	0	0	0
4	- 1	1	1	1	1	0	0	0	0	0	0	0	0	****	1			1	,	1	1	1	0	0	1
5	0	0	0	0	0	0	0	1	1	1	1				1	2	2		3	3	3	3	3	3	2
6	0	0	0	1	1		1	1	2	2	2	2	2	2	2	2	4	2 2	2	1	1	1	1	1	2
7	3	3	3	3	4	4	4	4	3	2	1	1	0		2		1	- 1	- 7	•		1	1	0	1
8	1	1	1	1	1	1	1	1	2	2	2	2	2	2		- 1		- 4	- 1	- 4	i	- 1	1	1	1
9	1	1	- 1	1	0	0	0	0	0	0	3	0	0	2	2	2	2	2	- 1	- 1	2	2	2	2	2
10	0	0	1	1	1	1	1	2	2	2	3	2	2	2	2	-	•	-			-				
1.1	2	2	2	1	1	1	1	2	2	1	2	2	2		3	4	5	4	3	3	2	1	1	1	2
1.2	- 7	- 7	1		1	1	1	1	1	1	1	1	-	2	2	1	1	1	- 1	1	- 2	- 1	- 2	ò	1
13	- 1	1	,	1	1	2	2	1	1	1		3	3	2	2	3	2	- 1	1	1		ó	ò	ő	o
14	o	o	o	0	0	0	0	0	0	0	0	1		1	1	1	1	1	- 1	3.	- 1	0	0	ő	2
15	0	1	1	- 1	- 1	1	1	2	3	3	2	2	****	1	5	4	3	2	1	- 1	0	0	0	0	ō
16	0	ó	ó	0	0	0	0	0	1	1	0	0	1	1	1	1	1	1	1		1				
17	0	ō	0	0	1	1	1	1	2	1	1	1	1	****		****		••••				2	2	2	
18	****	****			****		****	****	***		****	****	****	****	****	3	4	3	3	4	3	1	1	ō	
19	2	2	2	1	1	0	1	1	1	1	2	4	2	2	2	1	2	2	2	2	3	3	2	2	
20	0	0	1		1	1	1	1	1	1	2	2	****	2	2	3	3	3	3	3	3	3	-	-	-
21	2					2	2	2	2	2	2	2	2		1	1	2	1	2	1	1	1	1	1	
22	- 1	- 1	- 1		- 1	1	1	1	1	1	1	1	0	. 0	0		0	0	0	0	0	0			
	ó	ò	o	. 0	o	0		1	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
23	,	- v	C		0			0	0	0	0	0					0		0	0	0	0	0		
25	0	ò	C		0				0	0	0	0	0			. 1	1	1	1	1	1	1		1	
26	1	1	1	1	1	1	1	1	1	1	1	- 1	1	- 1		1	1	1	1	1	1	0			
27		î		2	1	1	4	4	2	2	2	2	- 1	3	2	2	2	2	3	3	2	2	2	1	
28		- 1	- 4	1	1	1	- 1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
29	o	ò		5 0	Ó	0		0 0	0	0	0) 1	1	1	1	1	1	0	0	0	0	1	
30	0							1 1	1	1	4	2	1	1	1	1	1	4	1	1	. 1	1	1	,	,
MEAN	1	1		1 1	1	1		1 1	1	1	1	1	1	1	1	2	2	1	1	1	1	1			1.1

PERCENTAGE OF DATA VALID - 95.7 PERCENTAGE OF DATA INVALID - 4.2

PERCENTAGE OF DATA UNAVAILABLE - 0.1

- 2. "-" INDICATES DATA IS UNAVAILABLE
 - 3. ******* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - SULPHUR DIOXIDE UNIFS - 0.01 PARTS/MILLION

				SULFI	101	ONIDE							,	W/11 1 3	0.0		1 47 1		5						
	51	ATION	(+	C NO	44010)	1298	REBEC	CA ST	DAK	VILLE					MONT	H - M	AY	77						
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1 2 3 4 5 6 7 8 9	0 2 0 0 1 0 0 0	0 1 0 0 1 0 0 1	0 1 1 0 1 0 0 1	1 1 0 0		1 1 1 0 1 0 1	1 1 0 1 0 2 1	2	2 1 1 0 1 0 4 1	1 1 0 1 0 3 0	0 1 0 1 0 1 0	0 0 0 0 0 1 0 1	0 1 1 0 0 1 1 0 0 0 1 1 0 0 0 1 1 1 0 0 0 1 1 1 0 0 0 1	0 1 1 0 0 1	0 1 1 0 0 1	0 1 1 0 0 1	2 1 1 0 0 1 1 0 0 1	2 1 1 0 0 1 1 0 0 1	1 1 1 0 1 1 0 0 1	1 1 0 1 0 0 1	1012011000	1 0 2 2 0 1 1 0 0 0	1032001000	20310001000	1 1 0 1 1 0 1
11 12 13 14 15 16 17 18 19	0000	000000000000000000000000000000000000000	0 0 2 0 2 1	0 2 0 1 1 0	0 2 0 1 1 0	000000000000000000000000000000000000000	1 2 0 3 1 0 0	0	1 0 2 1 0 2 1 0	5 1 2 1 2 1 2 1 0	3 0 1 1 2 2 0 0	1 0 1 1 1 2 2 1 0 5	0 1 1 1 1 1 2 5	1 0 1 1 0 1 1 1 2 4	1 0 1 1 0 1 2 1 6	0 0 1 1 0 1 4 1 2 3	0 0 1 0 2 1 1 1 3	1 1 0 1 0 5 1 1 1 3	1 0 0 1 0 16 1 1 1	2 0 0 1 0 3 3 1 1 4	20000022114	1 0 0 0 0 1 2 1 2 4	0 0 0 1 1 0 2 4	000000000000000000000000000000000000000	1 0 2 2 1 1 2 2
21 22 23 24 25 26 27 28 29 30	2 1 0 0 0 0 0 1 1	2 2 1 1 0 0 1 0 0 1 1	211111111111111111111111111111111111111	1 1 0 1 0 0 1 0 0 1	1 0 1 1	1 1 1 0 0 0 1 1 1	1 1 1 0 0 0 1 1 1	0	2 1 1 0 1 0 2 1 1	2 2 1 1 0 1 0 2 1 1	2 1 1 1 0 1 2 1 1	2 3 1 1 1 0 4 2 1 1	2 1 2 1 0 3 2 1 1	3 2 1 1 1 0 2 2 1	4 2 1 1 0 2 1 1	3 2 2 0 2 0 1 1	3 0 1 0 1 1 1 1	2 2 2 0 1 1 1 1 1 1 1 1	2 2 2 0 1 2 1 1 1 1	2 1 0 1 1 1 1	2 1 1 0 0 1 1 1 1 1 1 1	2 1 0 0 0 1 1 1 1 1	1 2 1 0 0 1 1 1	1 2 1 0 0 0 1 1 1	2 2 1 1 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1
31	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1
MEAN	0	1	- 1	1	1		1	1	1	1	- 1	1	1		1	1	1	1	1	1	1	1	1	1	0.9

PERCENTAGE OF DATA VALID - 96.2 PERCENTAGE OF DATA INVALID - 3.8

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
 - 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POL	LUTANT	•	SULPH	UR DIO	XIDE							UNITS	- 0.0	D1 PAI	RTS/MI	LLIO	N						
	STA	TION -		C NO	44010		1298	REBECCA	ST	OAKVILL	=				MON	rH	11164	77						
									٠.		-						,,,,,	6.6						
DAY	1	2	3	4	5	6	7	8	9	10 11	12	13	14	15	16	17	18	19	20	21	22	23	24 M	EAN
1 2 3 4 5 6 7 8 9 10	1 0 0 1 2 0 0 0 2	1 1 0 0 1 2 0	1 1 0 0 1 2 0 0 1 1	1 1 0 0 1 1 0 0 1 1	1 0 0 1 1	1 1 0 0 2 1 0 0 1 0	1 1 0 0 2 1 0 0 2 1	1 1 0 1 2 1 0 0	1101210011	1 2 1 3 1	1 2 2 1 0 0	2 1 2 2 1 1 0 1 1 2	2 1 2 2 1 1 0 1 1 2	2 1 2 2 1 1 0 1 1 2	2 1 2 2 1 1 0 1 1 1	2 1 2 2 1 1 0 1 1 1	3 1 2 2 1 1 0 1 0 1	2 1 1 2 1 1 1 0 1	2 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 2 1 1 0	1 0 1 2 1 1 0 0 1 1	1 0 1 2 1 1 0 0 1 0	1 0 1 2 3 1 0 0 2 1	1 1 1 1 1 0 0
11 12 13 14 15 16 17 18 19	0 1 0 1 0 0 0 0	0 1 0 0 0 0 0 0 0	010100000	0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 1 0 0 0 0 0 0 0	0 1 0 0 0 0 0 1	1 0 1 0 0	1 1 1 1 1 0 0 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 0 0 0 0 0 0 0	1 1 1 1 0 1 1 0 1	1 2 1 2 1 0 1 1 0 1	1 1 2 1 1 1 1 0 1	1 1 3 1 0 1 0	1 1 3 1 0 0 1 0 1	0 1 2 1 0 0 1	0 1 1 2 1 0 0 1 0 1	0 1 0 2 0 0 0 1 0 1	0 1 1 2 0 0 0 1 0 1	1 0 0 1 0 2 0 1 0 1	1 0 0 1 0 1	1 0 1 0 0 0 0 0 0	1 1 1 0 0 0 0 1 0 1
21 22 23 24 25 26 27 28 29 30	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0000200110	0000000110	1000200110	1 0 0 0 1 0 0 1 1 0 0	0 0 0 1 0 0 1 1 0	0 0 1 0 1 0 2 1	2 0 1 0 0 2 3	1 0 3 0 1 0 1 1 2 1	1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 2 1 2 1 1 1	1 1 3 1 1 1 2 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 1 2 1 1 1 2 1 0 2	1 1 2 2 1 1 2 1 0 3	1 2 1 2 1 5 2 0 3	1 2 1 3 1 1 2 3 0 2	0 2 1 3 1 1 3 0 3	0 1 4 2 4 1 2 0 2	0 1 6 1 2 1 2 0 2	0 1 7 0 2 1 1 0 2	0 0 1 6 0 1 1 1 0 2	0 0 0 3 0 1 0 1 0 2	0002000102	0 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
MEAN	0	0	0	0	0	0	1	1	1	1 1		,	1	1	1	1	1	1	1	1	1	1	1	0.8

PERCENTAGE OF DATA VALID - 99.0 PERCENTAGE OF DATA INVALID - 1.0

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ******* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNITS - 0.01 PARTS/MILLION

																			-11.5							
		MITATION		C NO	44010		1298	REBECC	A ST	OAKV	ILLE					MO	NTH -	JUL	77							
DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	2	3	4	4	3	2	3	2	2	3	4	5	3	3	-	3	2		-							
2	1	1	1	1	1	1	1	1	-	1	0	ő	O	3	3		3	3	2	1	1	1	1	1		3
3	0	0	0	0	0	0	0	0	o	1	1	1		- 1	0	1		1	1	0	0	0	0	0		1
4	2	1	1	2	2	1	ī	1	1		- 1	2		- 1	- 1	- 1	1	1	1	1	1	1	- 1	1		1
5	0	0	0	0	0	0	o	ò	ó	0	ó	ő		1		- 1	3	1	1	1	0	0	0	0		1
6	0	0	0	o	0	0	0	ő	1	ő	ő	0	0	0	- 1	1	1	1	1	1	0	0	0	0		0
7	0	0	0	o	0	0	o	ő	ó	0	0		0	1	1	0	0	0	0	0	0	0	0	0		0
8	0	ő	0	o	0	0	0	ő	0	0	0	0	0	0	0		0	0	1	1	0	0	1	0		0
9	0	o	ő	0	ŏ	0	0	0				0	1	1	1	1	2	2	1	1	1	1	0	0		1
10	ō	ő	0	0	ő	0	0		0	0	0	3	1	1	2	2		1	0	0	0	0	0	0		0
				U	0	0	Ü	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0
11	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0		0
13		0	0	0	0	0	0	0	0	0	1	1	1	1	2	2	1	2	2	1	0	0	Ö	0		ĭ
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	ō	ò	ő	õ	0	o o		ó
15	0	0	0	0	0	0	0	0	1	2	2	5	2	2	1	1	1	ĭ	2	2	1	0	1			
	0	0	0	0	2	1	0	1	2	2	1	- 1	1	1	2	2	1	- i	ő	ó	ó	0	ó	ò		1
16	0	0	0	0	0	0	0	0	1	1	1	2	2	2	1	1	0	ó	ő	ő	0	2	1	0		1
1.7	0	2	4	5	1	0	0	0	0	0	0	0	0	0	o	0	0	ő	ő	o	0		0			1
18	0	0	0	0	0	0	0	0	0	0	1	1	0	ő	1	3	2	2	1			0		0		1
19	0	0	0	0	0	0	0	0	0	0	0	0	ō	ō	ò	ő	ō	ō	ô	0	0	0	0	0		0
20	0	0	0	0	0	0	0	1	1	1	1	0	1	1	2	2	2	2	2	0	0	0	0	0		0
21	0	0	0	0	0	0	0	0	0	0	0													_		
22	****	****		0	0	0	0	2	2	0	o	0	4	2		7778			****					****	*****	
23	0	0	0	0	0	0	0	õ	ō	0	o	ő	ò	ő	- 2		0	1	1	0	0	0	0	0		1
24	0	1	0	0	0	0	0	1	2	2	1	·	ĭ	Ÿ	0	0	0	0	0	2	1	2	0	0		0
25	3	1	1	1	0	0	0	o	õ	ō	o			- 1		1	1	1	1	2	1	1	7			1
26	0	0	D	. 0	0	0	0	0	2	1	o	ó	0	0	0	0	0	0	0	0	0	- 0	0	0		0
27	0	0	0	0	0	0	o	0	ő	4	ĕ			0	0	0	0	0	0	0	0	0	0	0		0
28	0	0	0	0	ō	o	1	1	0	ò	o	0	- 2	1	2	2	1	1	0	0	0	0	0	0		0
29	1	- î	1	ő	0	Ö	0	0		o	Ü	O	1		0	0	0	0	0	0	0	1	1	1		0
30	0	ó	0	Ö	o	0	0	0	0		- 4		1	1	1	1	1	1	0	0	0	0	0	0		0
	-					0	U	U	U	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0		0
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	1	1		0
MEAN	0	0	0	0	0	0	0	0	7	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0.	5

PERCENTAGE OF DATA VALID - 97.7 PERCENTAGE OF DATA INVALID - 2.3

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. ****** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ******* INDICATES LEJS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POI	LLUTAN	٠.	SULPHI	UR DIO	XIDE								UNITS	- 0 1	11 DAG	DTS /M								
	STA	TION		C NO	44010	1	298	REBECCA	ST	OAKV	ILLE				0.,										
HOUR	1	2	3	4	5	6	7	8	9	10							гн - ,		77						
DAY									9	10	11	12	13	1.4	15	16	17	18	19	20	21	22	23	24	MEAN
1 2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0							
3		0	0	0	0	0	0	0	0	0	0	0	1	ī	1	1	1	1	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	1	1	2	1	2	1	1	i	0	o	ò		0	0	1	1	1
5	1		1	1	- 1	1	1	1	1	2	1	1	1	1	2	1	1	1	3	2			0	0	
6	- 1	- 1	9.		- 1	3	0	0	0	1	1	0	0	1	1	1	1	1	1	1	2		2		
7	o	ò	0	ó	0	1	1	0	0	0	0	0	0	1	1	2	1	2	1	- 1	- 1	ò	ő		1
В	0	o	0	0	o o	0	0	0	0	0	0	0	0	0	0	0	0	0	ò	ó	ò	Ö	o	0	,
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Ö	ő	ō	o	ő	0
10	0	0	Ď	0	o	0	ő	0	3	0 .	0	0	0	0	0	0	0	0	0	0	0	ō	0	ő	0
11	-	-						U	0	0 .		0	0	0	0	0	1	1	0	0	0	0	0	0	ő
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		-	-	100	-	
13	,		0	0	0	0	0	0	0	0	0	0	0	0	ŏ	ő	ő	0	Ö	0	0	0	0	0	0
14	2		1	1	1	0	1	2	2	2	2	1	2	2	2	4	5	4	4	1	1	1	1	- 2	0
15	ō	ò	2	2	3	2	1	1	1	1	1	1	- 1	1	1	1	1	1	- 4	ò	0		2	- 1	2
16	0	0	0	0	0	0	0	0	0	0	0 .	***	0	0	1	1	1	i	o	0	0	0	0	0	1
17	ō	0	0	o	0	0	0	0	0	0	0	0	0	0	0	0	1	,	ĭ	0	0	0	o	0	0
18	o	o	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	- 1	o	o	0	0	0	0
19	0	o	o	ő	ő	0	0	0	0	0	0	0	0	0	0	0	0	0	Ó	0	0	0	0	ő	ő
20	0	o	0	0	ő	0	0	0	4	1	2	2	1	2	2	1	1	1	1	ő	ő	0	ő	0	·
	_	-				U	U	U	0	0	0	0	1	1	1	1	1	1	1	1	1	1	ō	ő	ò
21	0	0	0	0	0	0	0	0	0	0	0	0	1	2	2	2	1	1		-					
23	4	20	0	0	0	0	2	3	1	1	1	0	0	ō	ō	ō	ó	ó	0	0	1	- 1	1	1	1
24	0	20	23	14	2	1	1		0	0	0	0	1	1	ī	1	1	1		0	0	0	0	1	0
25	o	o	0	0	0	0	0		0	0	1 *		2	0	0	ó	0	o	ó	0	0	0	0	0	3
26	ő	ő	0	0	0	0	0	0	0	0	1	2	4	4	1	1	1	ĭ	,					0	0
27	0	0	0	0	0	0	0	1	1	0	250		2 '		1	1	1	1	•	- 1	ò	4			1
28	1	2	ĭ	,		0	0	0	1	1	2	1	2	2	2	2	2	2	2	4	,	- 1	-		1
29	1	1	2	4			2	2	2	3	2	1	2	3	2	2	3	2	2	1	2	4	1		1
30	0	ò	o	ó	o	0	0		3	3			1	1	0	0	1	1	ĩ	1	ō	ó	ò	ò	2
	_						Ů.	U	0	0	0	2	2	1	1	1	1	1	1	1	1	o	o	ő	1
31	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	0	0	1	0
MEAN	0	1	1	1	0	0	0	0	1	1	1	1	1	Ĭ	1	1	1	1	1	i	0	0	0	0	0.6

PERCENTAGE OF DATA VALID - 99.1 PERCENTAGE OF DATA INVALID - 0.9

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. *-* INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNITS - 0.01 PARTS/MILLION

	STAT	ION -	2	NO 4	4010		298 R	EBECCA	ST	OAKV	ILLE					MONT	н - 9	EP	77						
HOUR DAY	1	2		4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 MI	AN
1 2 3 4 5 6 7 8 9 10 11 2 3 14 5 16 7 18 9 20 21 22 3 4 2 5 6 7	101101000000000000000000000000000000000	101100000000000000000000000000000000000		201101111001110000000000000000000000000	201111111100000000000000000000000000000	100110001100000110000000000000000000000	2 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	700111100211100000000000000000000000000	6012211121	5012211031 0210000000 0000000	4111321102100000000000000000000000000000	3112110330 03110000000000000000000000000	2122221030 0210000000 0000000	2122221120 0110000000 0300000	21221020 101000000 000000	2112221120 1110100000 000000	1122221020 1110100000 000000	1122231020 01110100000 000000	122231122000110000000000000000000000000	1222221110 01100100 000000	121211110000000000000000000000000000000	011211111110000000000000000000000000000	011110011100000000000000000000000000000	011110111001000000000000000000000000000	211211100110000000000000000000000000000
28 29 30	0	0000	0	0	0	0	0	0 3	0	0 2	0	0	0 ••••	0	2 0 2	2 0 2	0	1 0 1	0	0	0	0	0	0	0
MEAN	O	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0.5

PERCENTAGE OF DATA VALID - 99.6 PERCENTAGE OF DATA INVALID - 0.4

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. .. INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEJS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT . AIR RESORCES BRANCH

	POLI	HTANT		SULPH	UR DIO	XIDE								UNITS	- 0.	01 PA	RTS/MI	ILLIO	N						
		ION -			44010		298	REBECCA	SŤ	OAKV	ILLE					MON	гн - с	ост	77						
HOUR	1	2	3	4	5	6	7	В	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 M	EAN
1 2 3 4 5 6 7 8 9	0 0 0 0 1 0 0 1 0	0 0 0 0 1 0 0 1 0	0000010010	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 1 0	000000000	000000000000000000000000000000000000000	000010000	0 0 0 0 2 0 1 0 0 0	000040000	0000000000	1 1 0 0 0 0	000000	0001200000	000120000	0 0 1 1 2 0 0 0 0 0	0011300000	0 0 1 1 3 0 0 0 0	0010300000	0000000000	0 0 0 0 0 0	0 0 0 1 1 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0
11 12 13 14 15 16 17 18 19	0 0 0 0 2 1 0 0 0	0 0 0 0 1 1 0 1 0 0	0 0 0 0 1 1 0 2 0 0	0 0 0 1 1 0 2 0 0	00000000	000010200	000000000000000000000000000000000000000	000000000000000000000000000000000000000	1 0 0 0 1 0 0 2 1 0	2000100431	2000200522	2 0 0 0 3 0 2 2	0 0 0 4 0 2	0 0 0 1 4 0 2 2 4 1	0 0 0 1 5 0 3	0 0 1 5 0 1	0 0 2 4 0 1	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0000	0 0 1 2 0 0	0 0 1 1 0 0 0 0 0	0000	200	000-200000	0 0 0 1 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
21 22 23 24 25 26 27 28 29	0 3 0 1 0 0 0 0 0 1	0301000001	030000001	0 2 1 0 0 0 0 0 0 0 1	0 0 0 0	0 2 0 0 0 1 0 0 1 1	0 1 1 0 0 2 0 0	0 1 0 0 1 1 0 0 2 1	1 1 0 1 1 1 0 0 2 1	2 1 0 2 1 1 1 1	2 2 0 1 1 1 1 3 0	1 0 0 0 1 1 10 0		200000000000000000000000000000000000000	0	4 0 0 0 0 1 2 0 0 0	3 1 0 0 0 1 2 0 0 0	2000011000	1 0 0 0 0 0	002000	1	1 0 0 0 1 0 0 0 0	100000000	2000000001	1 1 0 0 0 1 1 1 0 0 0
31 MEAN	1 0	1 0	0	0		0	1 0	0	1 0	0	0	0	1	0	0	0	1	1	0		0	0	1 0	1	0 0.5

PERCENTAGE OF DATA VALID - 97.7 PERCENTAGE OF DATA INVALID - 2.3

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEJS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNITS - D.O1 PARTS/MILLION

	STA	TION	- C	NO 4	4010	- 7	298 R	EBECCA	ST	OAKV	ILLE					MON	TH - N	VOV	77						
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 M	EAN
1 2 3 4 5 6 7 8 9	000000000	0 0 0 0 0 0 0 0	00000000	000000000	0 0 0 0 0 0 0 0 0	0000000000	000000000000000000000000000000000000000	0 0 0 0 0 0 0	0 1 0 1 0 0 0 0 0	0 0 1 0 0 0 0 0 0	0000000000	000000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0	000000000	000000000	000000000	000000000	000000000	000000000	000000000	0000000000	0000000000	0000000000	000000000
11 12 13 14 15 16 17 18 19	0000210000	000000000	0 0 0 0 2 2 0 0 0 1	0000220001	0 0 0 0 0 0 0 0 0	0000210000	0000210000	0 0 0 0 0 0 0 0	0 0 0 1 4 2 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0	0 0 0 1 4 4 0 0 0 0 0 0	0 0 0 1 5 1 0 0 0	3 1 1 0 0 0	0 0 0 2 2 1 1 0 0 0	0 0 0 2 1 1 0 0 0 0	0 0 0 1 1 1 0 0 0 0	0 0 0 1 1 0 0 0 0	0 0 0 2 1 1 0 0 0 0	0000110000	0 0 0 2 1 1 0 0 0 0	0 0 0 0 1 0 0 0	0 0 0 1 1 0 0 0 0	0 0 0 1 1 0 0 0 0	0 0 0 1 2 1 0 0 0 0
21 22 23 24 25 26 27 28 29 30	1 2 1 1 0 1 0 0 1 1 1	1 1 1 0 1 1 1 1 1 1 1	2 0 1 1 0 0 0 1 1 1 1	2011000112	3 0 1 1 0 0 0 1 1 1 1	20001000111	1 0 0 1 1 0 0 1 2 1	1 0 0 1 1 0 0 0 2	1 0 0 1 0 0 0 1 2	0 0 1 0 2 2 1	0 0 0 0 0 0 2 2 1	0 0 0	0 0 0 0 0 1 1 1 1 2 1	0 0 0 0 1 1 1 1 1 2 2 2 2 2 2 2 2 2 2 2	0 1 1 1 1 4 1	0 0 1 0 1 1 4 1	0 0 1 0 0 2 2 1	0 0 0 0 0 2 2 1	0 0 0 1 0 1 2 4 1	1 0 0 0 1 0 1 2 4 1	2 1 2 0 1 0 4 3	3 1 2 0 1 0 0 2 2	2 2 2 0 1 0 0 2 1	1 2 2 0 0 0 0 1 1	1 0 0 0 0 0 1 2 1
MEAN	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	0	0.4

PERCENTAGE OF DATA VALID - 98.8 PERCENTAGE OF DATA INVALID - 1.3

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. *-* INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEJS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POLI	LUTANT	- S	ULP	UR DIO	TIDE								UNITS	- 0.0	D1 PAF	RTS/MI	LLIO	4						
	STAT	TION -	C	NO	44010	129	18	REBECCA	sT	OAKV	ILLE					MONT	тн - р	EC	77						
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	. 19	20	21	22	23	24 M	IEAN
1 2 3 4 5 6 7 8 9	0 6 1 1 2 1 1 0 1 1	0 5 1 1 2 1 1 0	0 1 1 2 2 1 1 0 1	0 2 1 1 1 1 1 1 1 1 0	0 1 1 1 1 1 2 1 2 0	0 1 0 1 1 1 3 1 2 0	0 1 0 1 1 2 1 2 1	0 1 0 2 1 1 1 1 2 1	0 1 1 2 1 1 1 1 2 0	0 1 0 3 1 1 1 1 3 0	0 2 0 1 1 1 1 3 0	1 4 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	3 **** 1 1 1 1 1 3	5 3 1 1 1 1 1 2 2	2 1 1 2 1 1 1 1 1 1	4 2 1 1 1 1 2 1 1	5 5 1 1 1 1 1 1 1 1 1 1	3 4 1 1 1 1 1 1 1 2 1	2 2 0 1 1 1 2 1 1 2	1 1 1 1 1 2 1	1 2 0 1 1 1 1 1 1 1 1 1 1 1	2 1 0 1 1 1 1 1 1 0	2 1 0 1 1 0 1 1 1 0	4 1 0 1 1 1 1 1 1 1 1	1 2 1 1 1 1 2 1
11 12 13 14 15 16 17 18 19	1 1 2 1 0 2 0 1	0 1 2 1 0 2 0 1 0 0	1 1 1 0 1 1 0 0 0	1 1 1 0 1 1 0 0 0 0	1 2 1 1 0 1 1 0 0 0	1 2 1 1 0 1 0 1 0 0 0	1311010100	1 3 1 1 0 2 0 0 0 0	1 6 2 1 0 2 0 0 0	1 7 2 1 1 2 0 0	1 6 2 1 1 2 0 0 0	1 5 2 1 2 2 0 0 0	1 2 1 2 0 0 0 0	1 3 3	1 3 3 1 0 1 0 0	1 2 2 1 0 1 0 0 0 0 0	1 2 2 1 0 1 0 0 0 0 0	1 2 1 0 0 1 0 0 0	1 2 1 0 1 1 0 0 0 0 0	1 2 1 0 1 1 0 0 0 0	1 2 1 0 1 1 1 0 0 0	1 3 2 0 1 1 1 0 0	1 3 2 0 1 1 1 0 0	1 0 1 0 0 0 0	1 2 1 1 0 0 0 0 0
21 22 23 24 25 26 27 28 29	0 0 2 2 1 0 1 1 1 1 1	0 0 2 2 1 0 1 2 1 1	0 0 2 2 2 0 1 3 1 1	0 0 2 2 2 2 1 1	0 0 2 2 1 0 2 2 1 1	0 0 3 2 1 0 1 2 0 2	0 1 3 2 1 0 1 2 0 1	0 1 3 2 1 0 1 2 0 1	0 1 3 2 1 1 1 2 0 2	0 1 2 1 1 2 0 2	0 1 2 3 1 1 1 0 1	0 2 2 3 1 0 1 1 0 2	0 1 2 3 1 0 1 1 1	1 4 2 1 0 1 2 0 2	0 1 3 2 0 1 1 2 1 3	0 2 2 2 0 1 1 1 4	0 2 2 1 0 1 1 2 0 4	0 2 1 1 0 1 1 1 0 3	0 2 1 1 0 1 1 1 1 3	0 1 1 0 1 1 1 3	0 2 1 1 0 1 1 1 1 2	0 3 1 2 0 1 1 1 1 2	0 2 1 1 0 1 1 1 1 2	0 1 2 1 1 1 2 1 1	0 1 2 2 1 1 1 2 1 2
31	1	1	1	1		1	0	0	0	0	0	1	1	1	1	2	2	2	3	2	3	3	2	1	
MEAN	1	1	- 2	1	1	1	1	3	1	1	1	1	1	1	1	1		4	1	1	1	1	1	1	1.1

PERCENTAGE OF DATA VALID - 98.9 PERCENTAGE OF DATA INVALID - 0.9

PERCENTAGE OF DATA UNAVAILABLE - 0.1

- "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOUSEY AND 2-HOURLY DATA FOR 1977

POLLUTANT - SULPHUR DIOXIDE

YEAR

UNITS - 0.01 PARTS/MILLION

- NOITAT	C NO 44010 1298	REBECCA ST OAKVIL	LE		
MONTH	NO OF DAYS	AVERAGE	CONCENT 24-HOUR	MAXIMUM MAXIMUM	READING
JAN	30	1	.9	7 10)
FEB	23	0	.8	3	i
MAR	24	1	.1	2)
APR	28	1	.1	2 .	5
MAY	29	0	.9	2 16	3
JUN	30	o	.8	2	,
JUL	30	0	.5	3 !	5
AUG	31	0	.6	3 2:	3
SEP	30	o	.5	2	7
ост	30	d	,5	2 10	0
NOV	30	c	.4	2	5
DEC	31	-1	.1	3	7
YEAR	346	c	.9	7 2	3

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1977 UNITS - 0.01 PARTS/MILLION POLLUTANT - SULPHUR DIOXIDE 1298 REBECCA ST OAKVILLE STATION - C NO 44010 MONTH DO TO 04 05 TO 10 11 TO 14 15 TO 25 26 TO 39 40 &OVER TOTAL FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT
OF DATA
VALID

96.0 0 0.0 0.0 0.1 0.7 1.7 2.5 3.7 4.7 23 0.9

UNITS - 0.01 PARTS/MILLION

	STAT	ION -	C	NO. 4	7040	P(OLICE	STAT	ION 6	55 VES	PRA :	ST. B	ARRIE			MONTH	4 - MA	Y 7	7						
HOUR	1	2	3	.4:	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1 2 3 4 5 6 7 8 9												- DAT	A UNA A UNA A UNA A UNA A UNA A UNA A UNA A UNA	VAILA VAILA VAILA VAILA VAILA VAILA VAILA	BLE - BLE - BLE - BLE - BLE - BLE - BLE -										
11 12 13 14 15 16 17 18 19												- DAT - DAT - DAT - DAT - DAT - DAT - DAT	A UNA	AVAILA AVAILA AVAILA AVAILA AVAILA											
21 22 23 24 25				w:		,			-	8		- DAT	A UN	AVAIL	ABLE - ABLE - ABLE -	1	1	1	1	1	1	0	0	0	
26	0	0	0	0	0	0	0	0	0	0	0	0	- 1	1	1	1	1	1		1	1	1	1	0	1
27	1	0	0	1	1	1	1	0	1	1	1	1 2	1	1	1 2	1	1	1	1	1	1			- 1	1
28	- i	1	1	1	1	1	1	1	1	1	1	2	2	2		2	1	1	1	1	1	1	1	ò	1
29	- 1	1	1	1	1	1	1	1	1	1	1	1	1	- 1	1	1	1	1	1	1	1	1	1		- 1
30	ò	ò	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	,	1	,
31	0	0	0	0	0	0	0	0	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	1
3.				-																			1	- 1	0.9
MEAN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	-1	1	1	1	1	1	1	1	,	,	0.9
PERCENT	AGE (F DAT	Δ νΔ	ID -	20.8			PERCE	NTAGE	OF D	ΔΤΔ :	INVALI	0 -	0.1		PER	RCENTA	GE OF	DAT	A UNA	VAILA	BLE -	79.0		

PERCENTAGE OF DATA VALID - 20.8

PERCENTAGE OF DATA INVALID

NOTES 1. "****" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	PO	LLUTA	NT -	SULP	HUR DI	OXIDE								UNITS	0	01 P/	RTS/N	MILLIC)N						
	51	TATION	- 0	NO	47040)	POLIC	E STA	TION	65 VE	SPRA	ST,	BARR	E		MON	тн -	JUN	77						
HOUR	1	2	3	4	5	6	7	В	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1 2 3 4 5 6 7 8	0 0 1 1 0 0	0 0 1 1 0 0	0 0 1 1 0 0	1 0 0 1 1 0 0	1 0 0 1 1 0 0	1 0 0 1 1 0 0	1 0 0 0 1 0 0 0	0 0 0	1 1 0 1 1 0 0 0	1 0 0 0 1 0	1 0 0 1 1 0 0	1 0 1 1 0 0 4	1 0 4 1 1 0 1 1 1	0 0 5 1 1 0 1 1	1 0 3 1 1 0 1 1	1 0 1 2 1 0 2	1 1 2 1 0 2	1 1 2 1 0 1	1 1 2 1 0 0 0	1 1 2 5 0	1 0 0 1 3 1 0	1 0 0 1 2 1 0	1 0 0 1 1 0 0	0 0 1 1 0 0	1 1 1 0 0
10	••••	••••	****	• • • •	****		• • • •	••••		****	• • • •		DATA	INVALI	0	0	1	1	1	1	1	0	0	0	*****
11 12 13 14 15 16 17 18 19 20	0 1 0 0 1	0	0 1 0 1	0 0 0 0	0 0 0	0 0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0 0	0 1 0 0 1 1	0 1 0 1 1 0 0	*	1 1 1 DATA DATA	1 1 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	D -	0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 0 1 1 1 1 1 1 1	1 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	000000000000000000000000000000000000000	000000000000000000000000000000000000000	0
21 22 23 24 25 26 27 28 29 30												18 18 18 18 18 18	DATA DATA DATA DATA DATA DATA DATA	INVALI	0										
MEAN	1	.1	1	0	0	0	0	0	0	0	0	1	1	1	1	1	. 1	1	1	16	1	1	0	0	0.6

PERCENTAGE OF DATA VALID - 48.5 PERCENTAGE OF DATA INVALID - 51.5

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNITS - 0.01 PARTS/MILLION

	POI	LLUTA	NT -	SULPH	UR DIO	XIDE																			
	ST	ATION	- 0	NO	47040	-	POLIC	E STA	TION	65 VE	SPRA	57,	BARRI	Ε		MON	TH -	JUL	77			1000	-		
HOUR	Í	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 1	MEAN
1 2 3 4 5 6 7 8 9	1 0 0	1 0 0	**** 1 0 0	0 0 0	0 0 0	0 0 0	0 0	0 0 0	•••• 0 0 0	0000	•••• 0 0 0		DATA DATA DATA DATA 4 0 1	INVALII INVALII INVALII INVALII INVALII O O	D -	4 1 1	3 0 1 1	3 0 1 0	3 0 0 1 1	0 0 1	2 0 0 0	2 0 0 0 0	2 0 0 0 0	2 0 0 0 0	0 0
11 12 13 14 15 16 17 18 19	0	0	0	0	0	0	0	0	1	0	1		DATA DATA DATA DATA DATA DATA	INVALI INVALI INVALI INVALI INVALI INVALI INVALI	D - D - D - D -	2		2	2	••••1	1	1	••••	1	
21 22 23 24 25 26 27 28 29	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	000000000000000000000000000000000000000		0 0	0	0 0 0	0000	0	0 0	000000000000000000000000000000000000000	****			0 0 0 0 0 0 0 1 1 1 1 1	11 10 00 00 00 00 00 00 00 00 00 00 00 0	2 1 0 0 0 0 0 0 0 1 1 1 1 1 0		1 0 0 0 0 0 0 0 1 1 1	1 0 0	000000000000000000000000000000000000000	0 0 0 0 0 0	000000000000000000000000000000000000000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		F2
31 MEAN	0			, ,		0	0						5	1 1		1 1	1	, ,		0		0			
	NTAGE	OF D	ATA	VALID	- 47.6	3		PERC	ENTAG	E OF	DATA	INVA	LID -	51.9		,	PERCE	NTAGE	OF DA	TA UN	AVAIL	ABLE	- 0.	3	

NOTES 1. "***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. *- INDICATES DATA IS UNAVAILABLE
- 3. ******* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

UNITS - 0.01 PARTS/MILLION POLLUTANT - SULPHUR DIOXIDE MONTH - AUG 77 POLICE STATION 65 VESPRA ST. BARRIE STATION - C NO 47040 21 22 23 24 MEAN 20 12 13 14 15 16 17 18 19 10 11 HOUR DAY ...0 0 00 0 0 0 DATA INVALID 0 00001 0 0 0 0 2 1 0 2 0 0 0 2 000 0 030010 020010 000000 000001 000000 01001 000 000011 00001 0010 8 9 10 ò ò 0 0 1 11 12 13 14 15 16 17 18 19 20 0 01001 1001000 1001000 Ó 000000 001000 001 000 000 000 00 0 010 0 0 0 0 0010 0 0 1 0 21 22 23 24 25 26 27 28 29 30 0010 0 0 1 1 0010 - DATA INVALID
- DATA INVALID
- DATA INVALID
- DATA INVALID
- DATA INVALID
- DATA INVALID
- DATA INVALID - DATA INVALID -31 0 0 0.4 0 1 1 1 0 MEAN

PERCENTAGE OF DATA VALID - 67.3

PERCENTAGE OF DATA INVALID - 32.5

PERCENTAGE OF DATA UNAVAILABLE - 0.1

- "-" INDICATES DATA IS UNAVAILABLE
- 3. " ---- INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNITS - 0.01 PARTS/MILLION

	51	ATION	ý - C	NO	47040)	POLIC	E STA	TION	65 VE	SPRA	ST.	BARR	E		MON	TH -	SEP	77						
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	. 19	20	21	22	23	24	MEAN
1													DATA	INVA	10 -										
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	C	1	1	1	1	1	1	1	1	1	0	o	1	1	1	1
4	0	0	0	0	0	0	0	0	0	1	1.	1	1	1	1	1	1	1	1	1	1	1	- 1	1	1
5	1	1	1	.1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1
6	0	0	0	0	0	0	0	0	0	1	3	3	3	1	-1	1	1	2	2	1	2	3	2	1	1
7	. 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0			0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	1	2	2	2	3	3			3	3	3	3	3	3	2	2	2
10	1	3	1	1	1	1	O	D	0	0	0	0	.0	0	0	0	0	0	0	0	0	0	1	1	0
11	0	0	0	0	0	0	0	0	0	0	0	0	2	2	1	1	1	1	1	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	1	1	0	****	****	****	1	1	1	1	1	1	1	1	0
13			1	1	. 1	1	1	1	1	2	2	2	1	1	1	1	1	1	1	1	1	1	1	- 1	1
14	- 1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	1	1	1	1	1	1
15	1	1	1	0	0	1	1		****	0	0	0	1	1	1	1	1	0	****			*	0	0	1
16	0	0	0	0	0	0	0	0	0	0	0	0	0	1	- 8	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	- 1		1	1	1	2	1	1	1	1	1	2	2	
19	2	2	0	2	2	2	2	2	2	2	2	2		2	2	- 2		2	2	2	2	2	ő	ő	- 1
20	0	0	0	0	ő	0	ő	0	0	ő	ő	0	ó	ò	ò	ò	ò	ó	0	0	0	0	ő	o	ó
								-														-		-	
21	0	0	0	0	0	0	0	0	0	0	0	0	****	****	****	****	****	****	****	****	****			****	*****
22				1000 4 1000 4								-		INVA								1000			
23	****	****	****	****	****	****	****	****	****	****	****	****	0	0	0		0	0	0	0	0	0	0	0	*****
24 25	0	0	0	0	0	0	0	0	0	0	0	0	0	0			0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0			0	0	0	0		0	0	0	0	ő	0	0
27	ő	ő	0	o	0	0	ő	0	0	0	ő			1	- 1	4	- 4	ó	0	0	0	0	ő	ő	o o
28	ő	ő		o	0	0	0	o	ő	ő	0			****				****		****	****		****	****	*****
29	ō	0	o	o	0	0	0	o	ő	ő	o	o		0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	ō	0	0	o	0	0			ō			o	o	o	0	ō	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	1	1	1	1	3	1	1	1	1	0	1	1	1	0	0.5

PERCENTAGE OF DATA VALID - 87.1 PERCENTAGE OF DATA INVALID - 12.5

PERCENTAGE OF DATA UNAVAILABLE - 0.4

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- "-" INDICATES DATA IS UNAVAILABLE
- 3. "***** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

POLLUTANT - SULPHUR DIOXIDE UNITS - 0.01 PARTS/MILLION STATION - C NO 47040 POLICE STATION 65 VESPRA ST. BARRIE MONTH - OCT HOUR 13 14 20 21 22 23 24 MEAN 0 0 0 0 1 12 13 14 15 16 17 18 19 20 0 0 4 2 0 0 0 0 1 0 22 23 24 25 26 27 28 29 ř MEAN 0.9

PERCENTAGE OF DATA VALID - 97.8

PERCENTAGE OF DATA INVALID - 2.2

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - SULPHUR DIOXIDE UNITS - 0.01 PARTS/MILLION POLICE STATION 65 VESPRA ST. BARRIE MONTH - NOV STATION . C NO 47040 17 18 24 MEAN 11 12 HOUR 2 3 4 5 6 7 8 9 10 2-0000000 0 1 2 0 1 0 0 1 0 0 1 1 12 13 14 15 16 17 18 19 20 DATA UNAVAILABLE
DATA UNAVAILABLE
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DATA UNAVAILABLE - DATA UNAVAILABLE
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- DATA UNAVAILABLE
- DATA UNAVAILABLE
- DATA UNAVAILABLE 22 23 24 25 26 27 28 29 30

1 1 1 1

PERCENTAGE OF DATA VALID . 44.9

PERCENTAGE OF DATA INVALID . 0.3

0 0 1

PERCENTAGE OF DATA UNAVAILABLE - 54.9

0 0.3

- 2. .- INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1977

POLLUTANT . SULPHUR DIOXIDE

UNITS . 0.01 PARTS/MILLION

STATION - C NO 47040 POLICE STATION 65 VESPRA ST. BARRIE

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN		DATA UNAVALL	ABLÉ	
FEB		DATA UNAVAIL	ABLE	
MAR		DATA UNAVAIL	ABLE	
APR		DATA UNAVAIL	ABLE	
MAY	6	0.9	1	2
JUN	13	0.6	1	5
JUL	13	0.4	1	4
AUG	20	0.4	1	3
SEP	25	0.5	2	3
OCT	31	0.9	4	9
NOV	13	0.3	1	2
YEAR	121	0.6	4	9

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1977

POLLUTANT	SULP	HUR DI	OXIDE										UNIT	s -	0.01 PA	RTS/MI	LLION			
STATION -	C N	0 4704	10	POI	LICE	STAT	ION	65 VE	SPR	A 51		BARF								
MONTH	1 00 T	0 04	05 TC	10	1.1	TO 1	4 1	5 TO	25	26	то	39	40 80	VER	тот	AL				
JAN			DATA	UNAV	/AILA	BLE														
FEB			DATA	UNAV	/AILA	BLE														
MAR			DATA	UNAV	/AILA	BLE														
APR			DATA	UNAV	AILA	BLE														
MAY		155		0			0		0			0		0	1	155				
JUN		347		2			0		0			0		0)	349				
JUL		356		0			0		0			0		0)	356				
AUG		501		0			0		0			0		О		501				
SEP		627		0			0		0			0		0	i)	627				
OCT		709		19			0		0			0		0		728				
NOV		323		0			0		0			0		0		323				
YEAR	3	3018		21			0		0			0		0	3	039				
	PERCEN	4T	N BY	PERC	ENTI	LES					CONC	CENT	RATIO)NS						
	OF DAT		MIN		10		30	FR	EQUI 50			STRI		N.	PERCENT 95	98	(99	MAX	ARITH MEAN
	59.	2	0		0.0		0.0		0.0		0.4	4	1,0)	1.7	2.6	3	.4	9	0.6

POLLUTANT - SULPHUR DIOXIDE UNITS - 0.01 PARTS/MILLION

			9.40.4	JULI	1011 01	Unibe	-							-0.00 Mile (50		5-2-44 (Prince)	000000000000000000000000000000000000000								
	ST	ATION	- (NO.	48002	2	TRAIL	ER/MT	CYARD	#9	HWY 4	17, S	TOUFF	/ILLE		MON	тн -	JAN	77						
HOUR DAY	1	2	3	4	5	6	7	в	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 ME	AN
1 2 3 4 5 6 7 8 9	**** 3 0 1	***** 3 1	•••• 3 2 1	**** 2 3 1	···· 2 4 1	· · · · · · · · · · · · · · · · · · ·	**** 2 2 1	3 1 1	3 !	2 1 1	**** 1 1 1		DATA DATA DATA DATA DATA		ID - .ID - .ID -	0 1 1 0	0 2 1 0	0 3 1 0	0 2 1 0	0 1 1 0	0 2 1 0	0 1 1 0	0 1 1 0	!"	2 2 1
11 12 13 14 15 16 17 18 19	1 1 2 4 0 2 0 0	1 2 1 6 4 0 3 0 0	1 3 1 5 4 0 3 0 1	3 0 3 0 1	2 0 3 0	0 3 1 4 1 0 3 0	2 1 4 1 0 2 0	0 2 1 4 1 0 2 0	0 2 1 5 1 0 1 0 0	0 2 1 5 1 0 1 0 0 0	0 0		2 1 1 1 5 4 1 1 0 0 0 0	1 4 1 0 0 0 4	1 4 1 0 0 0	1 6 0 0 1 0 0	1 4 0 0 1 1 0 0 0		0 1 2 5 0 0 2 0 2 0	0 1 2 4 0 0 3 0	0 2 3 5 0 0 2 0 1 0	0 1 5 0 3 1 0 2	0 1 4 0 3 1 0	1 1 2 4 0 3 0 0 1	0 2 1 5 1 0 1
21 22 23 24 25 26 27 28 29 30	1 1 2 12 4 1 0 1	1 1 5 3 1 0 1 0	2 1 1 6 3 1 0 1 0	1 1 7 3 1 0 2	1 6 3 1 0	2 1 0 1	1 0 1	0 0 3 5 2 1 0 2 1 1	0 0 3 5 2 1 0 2 1	0 2 6 2 1 0 1	0 1 5 2 1 0 2		1 1 1 1 1 5 6 6 3 2 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 1 10 2 0 0 0 0	0000	5 1 2 0 0	9 4 0 2 0 0	0 5 1 2 0 1	1 0 4 5 1 2 1 0 1 0	1 1 5 5 1 1 0 1 0	2 4 4 1 1 1 0 1 0	4 4 3 5 1 1 0 1 0	2345121000	1 2 5 5 1 1 1 0 0	1 1 3 6 2 1 0 0
31 MEAN	0 2	1	2			1	1	1	1	1	1	•••	1 1	1	1	1	1	1	1	1	1	1	1	1	1.3

PERCENTAGE OF DATA VALID - 77.7 PERCENTAGE OF DATA INVALID - 22.2 PERCENTAGE OF DATA UNAVAILABLE - 0.1

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	PO	LLUTAN	T - :	SULPH	UR DI	OXIDE								UNITS	5 - 0	.01 P	ARTS/	MILLIC	N						
	ST	ATION	. с	NO	48002	2	TRAIL	ER/MT	C YARI	9 // 0	HWY 4	7, 5	OUFF	/1 LLE		MO	чтн -	FEB	77						
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	. 19	20	21	22	23	24	MEAN
1 2 3 4 5 6 7 8 9	0 0 2 0 1 0 0 0 1 2	0020200021	0 0 3 0 1 0 0 0 2 1	0 0 4 0 0 0 0 1 2 1	0 0 3 0 0 0 1 2 1	0 0 0 0 0 1 3 1	0 0 3 0 0 0 1 2 0	0 0 0 0 1 2 0	0 0 2 0 0 0 0 1 2	0 0 2 0 0 1 0 1 2 0	0020010120	0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 0 1 0 1 0 1 2	1 0 1 0 1 0 1 2	1 0 0 0 0 0 0 0 0	0 0 0 0 0 2	000000000000000000000000000000000000000	0 0 0 2 2	1 0 0 1 0 0 2 2 0	0200300120	0	0 2 0 0 0 0 0 0 2 0	0 2 0 0 0 0 1 2 0	0 2 0 0 0 0 0 1 2 0	0 1 1 0 0 0 0
11 12 13 14 15 16 17 18 19 20	000000	0 0 0 0 1	0 0 0 0 1	0 0 0 0 0 1	0 0 0 0 1	0 0 0 1 1	0 0 0 1 0	0 0 0 1 0 .	00000	00000	0 0 0 1 0		DATA	O O O O O O O O O O O O O O O O O O O	LID -	••••	000000000000000000000000000000000000000		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0	0			0000	0 0 1
21 22 23 24 25 26 27 28	0 0 0 0	**** * 0 0 0	0 0 0	0000	0 0	0 0 0 0	0 0 0	0000	0 0	0 0 0	•••• 0 0 0		DATA	INVAI INVAI INVAI 1 1 1	LID -	0	00000	0	0 0 0	0 0 0	0	0 0 0	0000	0 0 0	
MEAN	0	O	0	0	0	1	0	0	0	D	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0.4

PERCENTAGE OF DATA VALID - 68.6 PERCENTAGE OF DATA INVALID - 31.4

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE

UNITS - O.O. PARTS/MILLION

	PU	LLUIA	ANI -	SULPH	UK DI	UNTUE								ONLIS	- 0.	UI PA	IR 13/1	ILLLIO	114							
	ST	ATION	N - C	NO	48002		TRAIL	ER/MT	C YAR	D #9	HWY 4	17. S1	OUFF	ILLE		MON	ITH -	MAR	77							
HOUR DAY	1	2	3	4	5	6	7	8	9	10	1.1	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1 2 3 4 5 6 7 8 9	0	0	0	0	0	0	0	0	0	0	0		DATA DATA DATA DATA DATA DATA	O O I NVAL	ID - ID - ID - ID - ID -	0	0	0	0	0	0	0	••••	••••		0
11 12 13 14 15 16 17 18 19												•	DATA DATA DATA DATA DATA DATA DATA	INVAL INVAL INVAL INVAL INVAL INVAL INVAL INVAL INVAL	1D - 1D - 1D - 1D - 1D - 1D - 1D -											
21 22 23 24 25 26 27 28 29 30	2 2 1 0 1 1	1 1 0 1 1	0	3 1 0 1 1 1 1	3 1 0 0 1 1	1 0 0 0 1 1	1 0 0 1 1	1 0 0 1 1 1 1	1 0 0 0 1 1	1 0 0 0 1 1	1 0 0 0 1	1 0 0 1 1 2 -	DATA OO O 1 1 DATA	0	0 0 1 1	0 0 1 1	0 0 1 1	0 0 1	1 0 1 1	1 0 0	1 0 0 1	1 1 0 0	2 2 1 0 1	1		1 0 1 1
MEAN	1	1	1	1	,	0	1	1	0	0	0	1	1	0	0	0	0	0	1	0	0	1	1	1	0	6

PERCENTAGE OF DATA VALID - 24.1

PERCENTAGE OF DATA INVALID . 75.9

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. " " INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

POLLUTANT - SULPHUR DIOXIDE UNITS - 0.01 PARTS/MILLION TRAILER/MTC YARD #9 HWY 47. STOUFFVILLE MONTH - APR 77 STATION - C NO 48002 22 23 24 MEAN HOUR DAY 13 14 15 16 17 18 19 21 9 10 1.1 12 20 - DATA INVALID DATA UNAVAILABLE
DATA UNAVAILABLE
DATA UNAVAILABLE
DATA UNAVAILABLE
DATA UNAVAILABLE 3 4 5 6 7 8 9 - DATA UNAVAILABLE
- DATA UNAVAILABLE
- DATA UNAVAILABLE
- DATA INVALID
11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 DATA INVALID 011004100 111002100 1 0 0 1 1100320 10100000 10100000 000-000 0 0100000 0100000 101001 -00000 01000 0 12012 0 0 00 1 0.7 MEAN 0 0 0 0 0 0 1 ٥

PERCENTAGE OF DATA VALID - 27.8

PERCENTAGE OF DATA INVALID - 42.2

PERCENTAGE OF DATA UNAVAILABLE - 30.0

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNITS - 0.01 PARTS/MILLION

	PUL	LUIAN		LLPHU	K LIU	X I DE									0.1										
	STA	TION	· Š	NO 4	8002	T	RAILE	R/MTC	YARD	#9 1	IWY 47	7. 510	OUFFVI	LLE		MONT	CH - N	IAY	77						
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 M	EAN
1 2 3 4 5 6 7 8	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 1 0 0 0 0 0 0	0 1 0 0 1 0 0	0 1 0 1 0 1 1 0 0	0 0 0 2 0 1 0	0 0 0 0 0 0 0	0 0 0 0 1 0 0 0	000000000000000000000000000000000000000	3 0 0 0 0 1 0 1 0	4 0 0 0 0 1 1 1 0	300000	200002000	2 0 1 0 . 2 0 0 0	2 1 0 1 2 0 0	3 1 1 1 1 2 1 0	3 1 1 1 1 2 1 1	2 1 1 1 1 2 1 0	2 1 0 1 2 1 0 0	2 0 0 1 1 1 1 0 0	2 0 0 1 1 1 1 0 0	2 0 0 0 0 1 1 0 0	1 0 0 1 1 1 0 0	1 0 0 1 1 1 0 0	0 0 0 1 0 0 0	2 0 0 0 1 1 0
10 11 12 13 14 15 16 17 18 19 20	0 0 1 1 2 1 2 2 0 2 2	0 0 1 1 2 1 2 2 0 1	0 0 0 1 1 2 1 1 2 0 1	0 0 1 0 1 1 0 1	0 0 0 0 1 0 1 1 0 1	0 0 0 0 1 2 1 1 0 0	0 0 0 0 1 1 1 1 1 0 0 0	0 1 0 0 1 6 1 1 0	0 0 1 0 0 0 3 2 1 0 1	0 1 1 0 0 0 2 2 2 0 0	0 1 1 0 0 0 1 2 2 0 0	0 1 0 0 0 1 3 2 0	0 1 1 0 0 0 1 3 2 1 1	1 1 1 0 1 1 4 3 1 3	1 1 1 0 1 2 4 3 2 2	1 1 1 0 1 5 4 3 2 2	1 1 0 0 2 5 4 3 3 2 2	1 1 0 1 2 3 4 3 3 3 3	1 3 1 0 1 1 5 3 2 3	1 0 0 1 4 4 2 3 2	0 0 1 4 3 2 4 2	0 1 1 0 0 0 4 3 1 4	0 1 1 0 0 4 2 1 3 1	0 1 1 0 0 4 2 1 2 1	0 0 1 3 2 2 1 1
21 22 23 24 25 26 27 28 29 30	1 2 1 0 0 0 0 0 0	1 2 1 0 1 0 0 0 0 0	2 2 1 1 0 0 0 0	1 1 0 0 0 0 0	1 1 0 0 0 0 0 0 0 0 0	1 1 0 0 0 0 0 0 0 0	012000000	2 2 0 0 0 1 1 0 0	2 2 3 1 0 0 0 1 0 0	2 3 3 1 1 0 0 1	3 3 1 1 0 1 0 0	3 4 2 2 1 0 1 1 0 0	3 4 2 2 1 0 1 1 0 1	4 4 2 2 1 0 1 1 0 1	4 4 2 1 1 0 1 1 0 0	4 3 2 1 1 0 1	4 3 2 1 1 0 0 1	4 2 2 1 1 0 0 1 0 1	3 2 2 1 1 0 0 1 0 1	3 2 2 1 1 0 0 0 1	3 2 1 1 0 0 0	2 2 1 1 0 0 0 0 0 0 0 0	1 1 0 0 0 0 0	2 1 1 0 0 0 0 0 0 0 0 0	2 2 2 1 1 0 0 1 0
31	0	0	0	0	0	0	0	0	1	1	.1.	1	1	1	1	1	1	1	1	1	1	1	1	1	1
MEAN	1	1	1	0	О	0	1	1	1	1	1	1	1	1	1	2	1	1	1	- 1	1	1	1	1	0.9

PERCENTAGE OF DATA VALID - 99.7

PERCENTAGE OF DATA INVALID . 0.1

PERCENTAGE OF DATA UNAVAILABLE - 0.1

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. -- INDICATES DATA IS UNAVAILABLE
- 3. ***** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

UNITS - 0.01 PARTS/MILLION POLLUTANT - SULPHUR DIOXIDE STATION . C NO 48002 TRAILER/MTC YARD #9 HWY 47, STOUFFVILLE MONTH - JUN 77 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 MEAN 5 6 7 8 HOUR 1 2 3 4 5 6 7 8 9 10 000 000100 010 010 010 0 0 0 0 01010011 11 12 13 14 15 16 17 18 19 20 0 0 0100 010 0 0 0 0 0 0 ò ò o ò 0 0 0 21 22 23 24 25 26 27 28 29 30 0 0 0 0 0 00101 0 0 1 0 1 00101 0 0.7 0 0 0 MEAN 0 0 0 0

PERCENTAGE OF DATA VALID - 99.9

PERCENTAGE OF DATA INVALID - 0.1

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEJS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNITS - D.O1 PARTS/MILLION

	51	ATION	V - (NO.	4800	2	TRAIL	ER/MT	C YAF	D #9	HWY Z	17. 5	TOUFF	VILLE		MO	NTH -	JUL	7.7						
DAY	1	2	3	4	5	6	7	8	9	10	1.1	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1.	1	1	0	0	0	0	1	ì	-i	-1	- 1	1	1		1	1				1	0	0	
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	- 4	- 1	ó	ó	0	0	
3	0	0	0	0	0	0		0	0	1	1	1	1	1	1	1	1	1	i	,	1	1	1	ő	
4	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	1	
5	1	1	- 1	1	1	1	0	0	1	1	- 1	1	1	1	1	7	1	1	1	1	1	1	1	- 1	1
7	1	1		1	1	1		1	1	1	- 1	1	1	0	.0			0	0	0	0	0	o	0	1
	0	0	0	0	0	0		0	0	0	0	0			0	0		0	0	0	0	0	0	0	0
8	0	0	0	0	0	0		0	0	0	0	0			0			0	2	2	2	1	0	0	0
10	0	0	0	0	0	0		0	0	0	0	0			0		0	0	0	0	0	0	0	0	
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0		0	0	0	0	0	1	1	1	1	1	1	1	1	1	0	0	0	0
12	0	0	0	0	0	0		0	0	0	0	0	0	0	1	- 1	1	1	1	- 1		0	0	ŏ	ő
13	0	0	0	0	0	0	0	0	0	0	0	0				****	****	****							*****
14				_									DATA	INVAL											
16				****	****	****		****		****	****	****	****	****		****	0	0	0	0	0	0	0	0	*****
17	0	0	0	0	0	0	0	0	0	1	- 1	1	1	1.	1	1	- 1	1	1	1	1	1	1	1	1
18	0	1	1	1	- 1	1	1	1	1	1	1		1	1	1	1	1	1	1	1	1	1	1	1	1
19	0	0	0	0	1 0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	0	1
20	ĭ	1	1			0	0	0	0	1	- 3	1	0	1	1	1	1	.1	1	1		1	1	1	1
		,	,	,				3	1	1	1	1	0	0	1	- 1	1	1	1	1	1	. 1	1	1	1
21	1	1	1	1	1	1	1	1	1	1	1	1	1		1	1	1	1	1	1	1	1	1	1	1.
22	0	0	0	0	0	0		0	0	0	0		0		1	1	1	1	1	1	0	0	0	0	0
24	0	0	0	0	0	0		0	0	0	0	0	0	0	0		1	1	1	1	1	0	0	0	0
25	1	1	1	1	0	0		0	1	- 3		1	2	2	2	2	2	2	2	2	2	2	1	1	1
26		ó	0	0	ő	0		0	0	- 1		- 1	1		- 1	1	1	1	1	1	0	.0	0	0	1
27	0	ő	0	0	0	0	0	0		1	0	1	- 1	1	0	0	0	0	0	0	0	0	0	0	0
28	0	o	n	0	0	0	0	0	0	- 1		0	0	0	1	!	1	1	. 1	1	1	0	0	0	0
29							U	U	U	1			DATA	INVAL		****			****	****				****	*****
30														INVAL											
31													DATA	INVAL	ID -										
							-																		
MEAN	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0.5

PERCENTAGE OF DATA VALID - 81.2 PERCENTAGE OF DATA INVALID - 18.8

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- "-" INDICATES DATA IS UNAVAILABLE 2.
- 3. ****** INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

POLLUTANT - SULPHUR DIOXIDE UNITS - 0.01 PARTS/MILLION STATION - C NO 48002 TRAILER/MTC YARD #9 HWY 47, STOUFFVILLE MONTH - AUG 8 9 10 11 12 13 14 15 16 17 18 19 22 23 DAY DATA INVALID DATA INVALID DATA INVALID o 0 0 12 13 14 15 16 17 18 19 20 0 0 0 0 D D 0 0 24 25 26 27 30 Ö

PERCENTAGE OF DATA VALID - 88.6

MEAN

PERCENTAGE OF DATA INVALID - 11.3

PERCENTAGE OF DATA UNAVAILABLE - 0.1

 0.2

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEJS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

	DOLL	UTANT		ш рыш	e ninx	IDE							U	NITS	- 0.0	1 PAR	TS/MIL	LION							
				NO 4			RAILE	R/MTC	YARD	#9 H	WY 47	. 510	UFFVI	LLE		MONT	H - SE	P	77						
HOUR	STAT	2	3	4	5	6	7	В	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 ME	
1 2 3 4 5 6 7 8	000000000000000000000000000000000000000	1 0 0 0 0 0	1 0 0 0 0 0 0 0 0 0	000000000000000000000000000000000000000	1 0 0 0 0 0 0 0	100000000	100000000	0 0 0 0 0 0 0	1 0 0 0 0 0 0 0	100000000	1	1000000	1 0 0 0 0 0 0 0 1	0 0 0 0 0 0 1	1 0 0 0 0 0 0 0 1	1 0 0 1 0 0 1	1 0 0 1 0 1 1 1	1 0 0 1 0 1 1 1	1000100011	100-0000-0	100000001	100001001	0 0 0 0 1 0 0 1 0	0 0 0 0 1 0 0 1 0	0 0 0 0 0 0 1 0
9 10 11 12 13 14 15 16 17 18	000000000000000000000000000000000000000	1 000000000	1 000000000	000000000000000000000000000000000000000	000000000000000000000000000000000000000	1 0 0 0 0 0 0 0 0 0	0 000000000	0000000000	0 0000000000	0 0000000000	0 0100000000	0 0100000000	0 0 1 0 0 0 1 0 1 0	0 0100001010	0 1 0 0 0 0 1 0	0 1 1 0 0 0 1 0	0 1 0 1 0 1 0	0 1 1 1 0 1 1 0 0	0 1 1 1 0 0 1 1 0	0 1 1 1 0 0 1 1 1 0	0 1 1 1 0 0 1 1 1 0	0 1 0 0 0 1 0 0	0 1 0 0 0 0 0 0 0 0	0 0 0 0 0 1 0 0	0 1 0 0 0 0 0 0 0
20 21 22 23 24 25 26 27 28 29	0 0000000000	0 0000000000	0 000000000	0 0 0 0 0 0 0 0 0	0 000000000	0 000000000	0 000000000	0000000000	0 000000000	0000000000	0000000000		000000000	0000000000	000000000	000000000	0 0 0 0 0 0 0 0 0	000000000	000000000000000000000000000000000000000	000000000	0000000000	000000000	00000000	000000000	000000000
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2

PERCENTAGE OF DATA VALID - 99.7 PERCENTAGE OF DATA INVALID - 0.3

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. ****** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. *- INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POLI	UTANT	٠ \$	ULPH	UR DIO	XIDE							ι	NITS	- 0.0	1 PAF	RTS/M	LLION	•						
	STAT	ION -	С	NO	48002	1	TRAILER	Z/MTC	YARD	#9	HWY 4	7. ST	OUFFV	LLE		MON1	rH - 0	CT	77						
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 1	MEAN
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	0000000000 00000100	000000000000000000000000000000000000000	0000000000 00000-00	000000000000000000000000000000000000000	000000000000000000000000000000000000000	000000000000000000000000000000000000000	000000000000000000000000000000000000000	0000000 00000010	000000000000000000000000000000000000000	000000000000000000000000000000000000000	000000000000000000000000000000000000000	000000000000000000000000000000000000000	000000000000000000000000000000000000000	000000000000000000000000000000000000000	000000000000000000	0000000000000001011	000000000000000000000000000000000000000	000000000000000000000000000000000000000	0000000000 0000-0000	0000000000 0000-0000	0000000000 000010000	000000000000000000000000000000000000000	000000000000000000000000000000000000000	000000000000000000000000000000000000000	000000000000000000000000000000000000000
19 20	0	0	0	0	0	0	0	0	0	1	i	i	1	1	1	ĭ	ĭ	ŏ	ŏ	ŏ	ŏ	ō	0	0	0
21 22 23 24 25 26 27 28 29 30	0 1 0 0 1 1 0 0 0	0000110100	0 1 1 0 1 1 1 2 0 0	0 1 0 0 0 1 1 0 0 0 1	0 1 0 0 0 1 0 0 0	0 1 0 0 0 1 0 0	0100010000	0000010000	0000010100	1 1 1 0 0 2 1 1 0 0 1	1 1 0 5 2 1 1 1 0	1 0 0 0 1 6 1 1 1 1 0 0 1	1 0 0 2 3 0 1 1 1	1 0 0 1 2 0 1 1 0 0 0	1 1 0 1 3 0 1 1 1 0 0 1	2 1 1 2 1 2 1 1 0	2 1 0 0 1 1 4 1 0 0 1	1 0 0 0 1 0 4 0 0 0 1	1 0 0 0 1 0 4 0 0 0 1	0 2 0 0 0 0	1 1 0 2 0 1 0 0 1	1 1 0 2 0 1 0 0 1 1	1 1 0 0 2 0 1 0 0	1 0 0 1 1 0 0 0 0	1 1 0 0 2 1 1 1 0 0 0 1
MEAN	0	٥	0	0		0	0	0	0	0	1	1	0	0	0	1	0	0	o	0	0	0	0	0	0.3

PERCENTAGE OF DATA VALID - 99.3 PERCENTAGE OF DATA INVALID - 0.5

PERCENTAGE OF DATA UNAVAILABLE - 0.1

- 2. -- INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNITS . O. O1 PARTS/MILLION

	STAT	ION .	C	NO 4	8002		TRAIL	ER/MT	C YARD	#9	HWY 4	7, 57	OUFFV	LLE		MON	TH - N	lov.	77						
HOUR	.1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 1	MEAN
1 2 3 4 5 6 7 8 9	000000000	0 0 0 0 0 0 0 0	1 0 0 1 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0		00000	0000	000000000000000000000000000000000000000	1 0 1 0 0 1 1	1 1 0 1 1 0 0 0 0 0 0 1	1 0 0 0 0 0 0 0	1 1 0 0 0 0	1 1 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0	1 1 1 1 1 0 0 0 1 0 0	1 1 1 1 0 0 0 1 0 0	1 1 1 1 0 0 0 0 0 0	1 1 1 1 0 0 0 0 0 0	1 1 1 0 0 0 0 0 0	1 1 0 0 0 0 0 0 0 0	1 1 1 0 0 0 0 1 0 0 0	1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 1 0 0 1 0 0	1 0 1 0 0 0 0
11 12 13 14 15 16 17 18 19	0 0 1 0 0 0 0 0	0 0 1 0 0 0 0 1	0 0 1 0 0 0 0 1	0 0 1 0 2 1 0 0 0 1	0 1 0 5 1 0 0	0 0 1 0 0 0 0 0	0 1 1 0 0 0 1	0 1 1 0 3 1 0 0 0 0	0 1 1 0 3 1 0 0 0 0 0	0 1 1 0 4 1 0 0 0 0	0 1 1 0 2 1 0 0 0	0 1 2 0 2 1 0 0 0	0 1 1 0 2 2 2 1 1	0 1 1 0 2 1 1 0 0 0	0 1 2 0 2 2 1 0 1 0	0 2 2 0 1 1 0 0 1 0	0 2 1 0 1 1 1 1 1 0	0 1 0 1 0 0	0 1 1 0 0 0 0 0 0	0 1 0 0 0 0 0 0 0	0 1 0 0 0 0 0 0	0 1 1 1 0 0 0 0 1	0 1 0 0 0 0 1	0 1 0 0 0 0 1	0 1 1 0 2 1 0 0 0 0
21 22 23 24 25 26 27 28 29 30	1000003123	1 0 0 0 0 0 3 1 1 2	1 0 0 1 1 0 3 1 1 2	1 0 0 1 1 1 1 3 1 1 2	1 0 1 1 1 1 2 1 1 1	0 0 1 1 2 1 1 1	2 0 0 1 1 2 1 1 1 1	1 0 0 0 1 2 1 1 1	0 0 0 1 2 1 2 1	1 0 1 1 2 2 1 1	1 0 1 0 1 2 2 1 1 1 1	1 0 1 0 0 2 2 1 1	0 1 0 0 0 2 1 2 1 1	0 0 0 0 1 2 1 2 1 1	0 0 0 1 2 1 2 2 1	0 1 0 1 3 1 2 3	0 1 1 0 1 3 1 2 3 0	0 0 1 0 1 2 1 1 2 0	0 0 0 1 3 1 1 4 0	0 0 0 1 3 1 2 5 0	0 1 1 0 1 3 0 1 5 0	0 0 1 0 1 4 0 2 4 0	0 0 1 0 1 4 0 2 3 0	0 0 1 3 0 2 3 0	1 0 0 0 1 2 2 1 1 2 1
MEAN	0	0	1	1	1	0	3	0	0	1	1	-1	1	1	1	1	1	1	1	1	1	1	1	3.	0.6

PERCENTAGE OF DATA VALID - 98.8 PERCENTAGE OF DATA INVALID - 1.3

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	PO	LLUTA	NT -	SULP	HUR DI	OXIDE	E							UNITS	s - o	.01 PA	RTS/N	ILLIC	N							
	ST	ATION	- (. NO	48002	2	TRAI	LER/MT	C YARD	#9	HWY 4	17. S	TOUFFV	ILLE		MON	тн -	DEC	77							
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1 2 3 4 5 6 7 8 9	0 0 0 1 2 2 0 1	0 0 0 1 2 2 1 1	0 0 0 1 2 2 2 1	0 0 0 1 2 2 2 1	0 0 0 0 1 2 2 2 1	0 0 0 1 2 2 2 1	0 0 0 1 2 1 2 1	0 0 0 1 2 1 2 1	0 0 0 0 2 1 1 1	000003212	0 0 0 0 2 2 1 2	0 0 0 0 2 2 1 2	0 0 0 2 2 1	0 0 0 0 0 3 2 1	000000000000000000000000000000000000000	0 0 0 1 0 2 3 1 0	0 0 1 1 2 3 1 1	0 0 0 1 1 1 2 2 1 1 1	0 0 1 1 2 1 1 1 1	0 0 1 1 1 2 1 1 1	0 0 1 1 2 0 1 1	0 1 0 1 1 2 1 1 1	0 1 0 2 1 2 0 1 1	0 0 0 1 1 2 0 1 1	0000	
10 11 12 13 14	2 3 2 1 1	1 3 2 2 1	2 2 2 2	1 2 2 1 1	1 2 1 1	2 2 1 1 1 1	2 2 1 1 1 1	1 2 2 1 1 1 1	2 1 1 1 2	1 2 1 2 1	1 4 1 1 2	1 4 1 1 1	3 1 3 2 2 2	3 1 3 2 1 2	2 2 2 1 2	2 2 1 2	2 2 2 1 2	1 2 2 2 1	1 2 2 2 1 2	1 2 3 1 1 1 1	3 3 1 1 1	4 3 1 1 0	4 3 1 1	4 2 1 1	2 2 1 1 1 1	
16 17 18 19 20	0 0	••••					****			0			DATA	INVAI	LID -	0 0	0 0	0 0 0	0 0	0 0	0 0	0 0 0	0 0	0 0		
21 22 23 24 25 26 27 28	0 0 1 1 1 0 1 0	0 0 2 1 1 0 1 0	0 0 1 1 0 1 0	0 0 1 1 1 0 1 1	0 0 2 1 1 0 1	0 0 3 1 1 0 1 1 1	0 0 3 1 1 0 1 1 1	0 0 4 1 1 0	0 1 3 1 1 0	0 1 2 2 1 0 1	0 1 1 2 1 0 0	0 1 1 2 1 0 0 1	0 1 1 3 1 0 0	0 1 1 2 1 0 0	0 1 1 1 0 0 1	0 1 1 1 1 0 0	1 1 0 0 1	0 1 1 1 0 0	0 1 1 1 1 0 1	0 1 1 1 1 0 1	0 1 1 1 1 0 1	0 1 1 1 1 1 0 1	0 0 1 1 1 1 0 1	0 1 1 1 1 1 0 1	0 1 2 1 0 0 1	
29 30 31	1	1	1	1	1	1	0	1 1	1 1 0	1	0	1 0		1 1 0	0	0	0	1	0	1	1 1 0	1 0	1	1	-	
MEAN	1	1	. 1	Τ.	1	.1	1	1	1	1	1	1	1	1	1	1	- 1	1	1	1	1	1	1	1	0.9	

PERCENTAGE OF DATA VALID - 91.5 PERCENTAGE OF DATA INVALID - 8.5 PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. "-" INDICATES DATA IS UNAVAILABLE
 - 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONIARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1977

287

POLLUTANT - SULPHUR DIOXIDE

YEAR

UNITS - 0.01 PARTS/MILLION

12

STATION - C	NO 48002 TRAILER/MTC	YARD #9 HWY 47. STOUFFV	ILLE	
MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
Um.	24	1.3	6	12
FEB	18	0.4	2	4
MAR	6	0.6	1	4
APR	8	0.7	9	4
MAY	31	0.9	3	11
JUN	30	0.7	1	3
JUL	24	0.5	7	2
AUG	27	0.2	1	2
SEP	30	0.2	1	1
OCT	31	0.3	2	6
NOV	30	0.6	2	5
DEC	28	0.9	2	4

0.6

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1977

month in Com-			55.0			-	0.000.00												
POLLUTANT .	SULP	HUR D	10x1	DE											UN	TS	- 0.01	PARTS/M	LLION
STATION -	C N	0 480	02		TRA	ILER	R/MT	C Y	ARD	#9	HWY	47,	, s	TOUF	FVI	LE			
MONTH	00 T	0 04	05	то	10	11	то	14	15	то	25	26	то	39	40	801	/ER	TOTAL	
JAN		541			35			2			0			0			0	578	
FEB		461			0			0			0			0			0	461	
MAR		179			0			0			0			0			0	179	
APR		200			0			0			0			0			0	200	
MAY		737			4			1			0			0			0	742	
JUN		719			0			0			0			0			0	719	
JUL		604			0			0			0			0			0	604	
AUG		659			0			0			0			0			0	659	
SEP		718			О			0			0			0			0	718	
ост		737			2			0			0			0			0	739	
NOV		708			3			0			0			0			0	711	
DEC		681			0			0			0			0			O	681	
YEAR		6944			44			3			0			0			0	6991	

FREQUENCY DISTRIBUTION BY PERCENTILES CONCENTRATIONS PERCENT OF DATA VALLD MIN 10 30 FREQUENCY DISTRIBUTION. PERCENT 90 90 95 98 99 MAX MEAN

79.8 0 0.0 0.0 0.0 0.0 0.4 1.0 1.8 2.8 3.7 12 0.6

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

	ST	ATION	- S	E NO	51001		MCDON	ALD G	DN RI	DEAU/	WURTE	MBURG	ST.C	TTAWA	l.	MON	тн -	JAN	77						
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1 2 3 4 5 6 7 8 9	1 2 8 4 8 1 2 1 5	2 7 4 5 1 2 3 3	1 2 9 4 5 2 2 3 5 3	1 2 5 3 6 2 4 5	1 2 6 3 7 2 2 3 6	1 2 5 4 7 3 2 2 5 0	1 2 5 3 5 2 2 2 4 1	1 3 6 3 4 3 2 1	1 4 7 3 5 3 2 1	2 3 6 4 9 2 3 3	2 4 4 4 3 2 3 3 1 1	2 4 4 6 4 2 3 2 1	2 4 6 •••• 2 4 3 1	2 3 4 4 **** 2 5 2 1	2 2 3 4 1 2 3 2 2 1	2 3 4 4 1 3 3 3	2 3 4 5 2 3 3 3 2 1	2 3 4 4 2 3 2 3 3 1	2 6 4 4 1 3 2 3 2 1	2 6 4 5 1 3 2 4 3	3 6 5 6 1 2 1 5 5	2 7 5 5 2 2 0 8 4	2 8 5 6 2 3 1 4 2	2 8 6 8 1 2 1 5 1 2	2 4 5 4 4 2 2 3 3
11 12 13 14 15 16 17 18 19	4 4 2 4 3 9 3 3 1	5 4 3 4 3 6 1 2	1 4 4 4 3 6 2 2 1	1 4 2 4 3 4 2 2 3 2	1 4 4 3 5 3 1 2 2	1 3 4 4 3 3 4 1 3 2	1 4 6 4 3 5 3 1 3	1 5 7 4 3 4 3 1 2 2	1 6 9 5 3 3 3 1 2 1	1 14 7 6 3 2 3 2	1 7 9 5 3 2 2 2	1 3 14 4 3 2 1 2 2 2	1 14 3 3 1 1 2	1 12 2 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 14 2 5 2 1 2	1 2 9 2 5 3 2 1 1	1 1 5 2 5 3 3 1	2 2 4 2 5 9 3 2 2 2	1 2 6 2 5 4 4 2 1 2	1 2 5 2 6 3 3 3 1 2	1 3 5 2 6 2 3 3 1 2	2362532312	2 2 5 2 6 2 2 3 1 2	3 5 2 7 3 3 3 1 2	2 4 7 3 4 4 2 2 2 2
21 22 23 24 25 26 27 28 29	2 1 0 2 1 0	3 1 0 1 1 0	2 1 0 1 1 0 0	4 2 1 0 1 2 0 0	5 2 0 0 1 2 1	20000	5 2 0 0 0 1	4 · · · · · 2 0 1 0 1 0 0 · · · · ·	3 0 1 0 1	3 4 0 1 0	2 0 0	2 2 0 1 1	2 2 0 1 1 1 0 0	1 2 0 1 2 1 0	1 2 0 1 5 1 0	2 2 0 1 4 1 0	1 1 0 1 4 1	1 2 0 1 4 1 0	1 2 0 2 4 1	1 1 0 1 3 1	2 1 0 0 2 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2 1 0	2 1 0 0 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2 1 0 0 2 1 0	2 0 1 2 1 0
30 31 MEAN	****	****						2	з	····	••••		DATA 2	••••	••••		••••		····	••••	••••		1 2	1	2.5
PERCE	NTAGE	OF DA	TA VA	ALID	- 86.	6		PERCE	NTAGE	OF	DATA	INVAL	1D -	13.4		P	RCENT	TAGE C	F DA	TA UN	AVAIL	ABLE -	- 0.0	5	

NOTES 1. "****" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. "***** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	P	DLLUTA	ANT -	SULPH	HUR D	OXID	E							UNITS	- 0.	01 P	ARTS/M	MILLIC	N							
	S	TATION	٠- ا	SE NO	5100	1	MCDOM	ALD C	ODN R	DEAU	WURTE	MBUR	G ST.	OTTAWA		MOI	NTH -	FEB	77							
HOUR DAY	1	2	3	4	5	6	7	8	9	10	1.1	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1 2 3 4 5 6 7	1 2 2 2 4 1	1 2 2 3 3	2 3 2 3 3 2	3 3 3 3 1	2 3 2 2 3 1	2 2 3 3 2 2	1 2 3 3 2 1	1 2 3 3 2 1	1 3 3 2 2 1	1 2 3 2 2	1 2 4 2 2	1 3 4 2 1 0	0	3 5 1 2	1 3 5 2 2	2	2	••••	2 4 4 2	2 2 4 4 2	2 2 3 5 2	2 2 4 2	2 2 3 1	2 2 3 1	2 2 3 3 2	No. 17 car reconsider control and a second
9		4	4	4		4	4						6	7		3	3	3	4	4	4	4	4	9		
10	5 6	5	5	5	5	5	6	6	7	8	5 7	7			8 5	7	6 4	6 3	6 4	6 5	6 4	6 5	5 5	5	5	
1.1	4	5	5	5	5	5	5	5	5	4	5	5	6	6	6	6	7	7	9	6	5	3	3	3	5	
12 13 14	3		5	5 3	2	1	1	1	1	1	1	1	DATA		ID -	ō	0	ò	ŏ	••••	••••			••••	5	
15	****	****		****	****			****	****		****	****	****	2	1	2	2	2	2	2	2	2	2	2	*****	
16	2	2	2	2	2	3	3	3	3	3	3	3	2	2	2	2 4 5	2 2 3 5	3 2 3 5	3	3	4	3 5 4	3	3	3	Ĺ
17	3	3	3	4	4	3	3	3	3	2	3	3	2	2 2 4	2	2	2	2	3	3	3	5	4	4	3	į
18	3	2 3 3 4	3 4	4	4 3 4	3 3 4	2		4	3	****				2 4 6	4	3	3	3 3 5 2	3 4 5	4 3 3 6	4	4	4	3 3 5 4	į
19	4						4	4	4	5	5	5	6	7	6	5	5	5	5	5	6	6	5	6	5	į
20	6	5	5	5	6	4	4	5	4	4	4	3	3	4	4	4	3	3	2	2	1	1	1	1	4	
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	D	0	0	0	0	1	1	1	0	0	0	į
22	0	1	1	1	1	0	1	1	0	0	1	1	1	0	0	0	0	0	0	1	1	4	0	0	2	į
23	3		2	2		3	3		0 0 2	2	2					- 7				- 2		- 2				ċ
24 25 26 27 28												- D - D	ATA U ATA U ATA U	NAVAII NAVAII NAVAII NAVAII	ABLE ABLE ABLE	*										
MEAN	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	2.9	,

PERCENTAGE OF DATA VALID - 62.4 PERCENTAGE OF DATA INVALID - 17.9

PERCENTAGE OF DATA UNAVAILABLE - 19.8

- 2, "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - SULPHUR DIGKIDE UNITS - 0.01 PARTS/MILLION

	PULL	UIANI	. 5	ULPHU	F J. U	LIDE								0.11.3	0.0		4 1 2 / m.t	LLIO							
	STAT	ION -	SE	NO 5	1001	М	CDONA	LD GDN	RID	EAU/	WURTE	MBUR	G \$1.0	AWATTO		MON	TH - N	AAR	77						
HOUR	t	2	3	4	5	6	7	В	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 ME	EAN
1 2 3 4 5 6 7 8 9	1 1 2 1 2	1 1 1 2 2 1	1 1 4 1 1	1 2 2 2 1 4	1 1 1 1 2	1 2 1 2 1 2	1 2 1 3 1 2	1 1 1 1 1	1 1 0 1 1	1 1 1	1 1 0 0	- 0	1 1 0 0 0 2 2 4	NAVAIL NAVAIL NAVAIL 1 1 1 0 2 2	ABLE .	1 1 1 1 2 1	1 1 1 1 2 1	1 1 1 1 2	1 1 1 0 1 2	1 1 1 0 1 2 2	1 1 1 1 2 2	1 1 2 1 1 2 2	1 1 1 2 2	1 ***	1 1 1 2 2
11 12 13 14 15 16 17 18 19	1 3 2 0 0 0 1 1 1	1 3 2 0 0 1 1 1 3	2 3 1 0 0 0 1 1 1	2 3 1 0 0 0 1 1 2 4	3 1 0 0 0 1 1 2 3	2 1 0 0 0 1 1 2 4	2 3 1 0 0 0 1 1 2 4	3 2 1 0 0 0 1 1 2 3	6 2 1 0 0 0 1 0 2 2	7 1 0 0 0 1 0 2 2	2 1 0 0 0 1 0 1 2		2 1 0 0 0 0 1 1 1 1 1	2 2 0 0 0 1 1 1 1 2	2 2 0 0 0 1 1 1 2 2	2 2 0 0 0 1 1 1 1 2	2 2 0 0 0 1 1 1 2 2	2 2 0 0 0 1 1 2 2 2	3 2 0 0 0 1 1 2 3	2 2 0 0 0 1 1 3 4 2	2 2 0 0 0 1 1 2 2 2	3 2 0 0 0 1 2 2 3 2	3 2 0 0 0 1 2 1 3 2	3 2 0 0 0 1 1 1 4 2	3 2 1 0 0 1 1 1 2 3
21 22 23 24 25 26 27 28 29	1 2 1 2 1 1 6 3 1 1	2 2 1 3 1 2 6 3 1 1	2 2 1 3 1 2 6 3 0	2 2 1 3 1 1 6 3 1 1	2 2 1 4 1 2 5 3 1 1	2 1 2 1 2 5 3 1	2 1 2 1 2 6 4 1	1 2 1 2 1 2 7 4	2 2 1 1 1 2 5 3 0 2	2 1 1 1 1 4 4 0 2	2 1 1 1 1 3 4 0 2	•••	1 1 2 2 2	1 0 1 2 2 2 2	2 1 0 1 1 2 2 1 2	2 1 1 1 3 2 1 1 2	2 1 1 2 3 2 1 1 2	2 1 1 1 3 2 2 1 2	3 1 1 1 1 4 3 2 1 2	3 1 1 1 5 3 2 1 2	2121254212	2 1 2 1 4 4 1 1 2	1 1 1 4 2 1 1 2	2 1 1 1 5 3 1 1 2	2 1 2 1 3 4 3 1 2
31 MEAN	1	1 2	1 2	2	1	2	1	1	ĭ	1	1		1 1	1	1	1	1	1	1	2	1	1	1	2	1.4

PERCENTAGE OF DATA VALID - 87.2 PERCENTAGE OF DATA INVALID - 1.3 PERCENTAGE OF DATA UNAVAILABLE - 11.4

PERCENTAGE OF DATA UNAVAILABLE - 0.1

- NOTES 1. "**** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE
 - 2. *- INDICATES DATA IS UNAVAILABLE
 - 3. ****** INDICATES LEJS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POL	LUTANT	- 5	ULPH	JR DIQ	XIDE								UNITS	0.0	DI PAF	RTS/MI	LLION							
	STA	TION -	SE	NO !	51001	,	MCDONA	LD GDN	RIC	EAU/W	URTE	ABURG	ST.0	TTAWA		MONT	th - A	PR	77						
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 ME	AN
1 2 3 4 5 6 7 8	0 2 0 1 2 1 2 2	0 3 0 1 2 1 2	0 1 2 1 2 2	0 1 1 1 1 2 2	0 0 1 1 1 2 2 2 2	0 0 1 1 2 2 2 1	0 0 1 1 1 2 2 2 2	0 0 1 1 1 2 2 2 2	0 1 1 1 1 2 1 2 2	0 1 1 1 1 2 2	0 1 1 1 2 2 2 2	1 1 1 2 2 2 2	0 1 1 1 2 2 2 2 2	1 1 1 2 2 2 2 2	1 2 2 2 2 2	1 1 2 1 2 2 2 2 2	1 1 2 1 3 2 2 2 2	201213222	1 1 2 1 2 2 2 2 3	1 1 2 2 3 3	202112133	1 0 1 1 2 1 3 3	1 0 2 1 2 1 2 3	1 1 1 2 1 3 3	1 1 1 2 2 2 2 3
9 10	3	3 5	5	5 4	5	3	3	7	3	3	2	2 2	2	2	2 2	2 3	2 2	3	2	3	2	3	3	3 2	3 2
11 12 13 14 15 16 17 18 19	2 4 3 1 2 1 0 1 2 2	2 3 3 1 2 1 0 2 1 2	2 3 2 1 2 1 0 2 1 2	2 3 2 1 1 1 1 1 2	2 3 3 1 3 2 1 2 1 2	2 3 2 1 2 2 1 1 1 2	2 3 2 1 2 1 1 1 1 2	2 3 4 1 3 1 0 5	2 2 3 1 2 1 0 7 1 1	2 4 1 2 1 0 6 1 2	2 2 3 1 2 1 0 3 1 2	2 2 3 1	3 3 1 0 0	2 1 1 1 0 0 1 1 2	2 1 1 0 1 1	1 1 0 1 1 1 3	1 1 0 1 1 1 3	3 1 1 1 0 1 1 1 2	3 1 2 1 1 1	3 1 2 1 3 1 3 1 1 1 1 1 1 1 1 1 1 1 1 1	3 1 1 1 2 1 1 1 1	3 1 1 1 2 1 1	3 1 1 1 1 1 1 2	3 1 1 1 2 1 1 2 2 1 1 2 2	3 2 1 2 1 2 1 2 1 2
21 22 23 24 25 26 27 28 29	2 1 1 1 0 1 1 1 1 1 1 1 1	2 1 1 1 0 1 1 1 1 1 1 1	2 0 0 1 0 1 1 1 1 1 1	2 1 0 1 0 1 1 0 2 1	1 1 1 1 1 1 0 2 1	1 0 0 1 1 1 0 1 2	1 0 1 1 1 0 1 2	2 0 0 1 1 2 1 0 1 2	2 1 1 1 2 1 0 1 1	2 1 1 0 3 1 0 1 2	1 1 0 2 1 1 1 1	2 1 1 1 0 1 1 0 0	0	1 1 1 1 0 1 1 0 1 0 1 0 0 1 0 0 1 0	1 1 0 1	1 1 1 1 0 1 1 1 1	1 1 1 0 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 0 1 1 1 1 1 1 1	1 0 1 0 1 1 1 1 1	1 1 1 1 1 1	3 2 1 1 1 1 1 1 2 1	1 2 0 1 1 1 1 1 1 0	1 1 1 1 1 1 0 0	2
MEAN	1	2	1	1	2	1	11	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1.4

PERCENTAGE OF DATA VALID - 98.8 PERCENTAGE OF DATA INVALID - 1.1 NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LE-S THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNITS - 0.01 PARTS/MILLION

	STA	TION -	SE	NO 5	1001	M	CDONA	LD GDN	RII	EAU/	WURTE	MBURG	ST.O	TTAWA		MONT	H - N	YAY	77						
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 M	EAN
1	0	1	1	1	1	1	1	1	1	1	1	1	1	1 0	1 0	1	1	1	1 0	1	1	1	1	0	1
2	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	o	1	1	1	1	1	0	0	0
3	0	0	0	0	0	0	1	1	0		****	1	0	0	0	ō	0	0	0	-1	1	1	1	1	1
5	0	o.	1	1		i	i	1	1	1	1	1	1	1	1	1	1	1	1	- 1	1	1	1	1	1
6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	ò
7	o	Ö	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1		0
8	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	ò	ò	ő
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	- 1	1	0	0	0	0	1	1	1	0
10	0	0	0	0	0	0	0	0	0	0	0	****	0	0	U	1.	U	U		U					
11	1	1	1	.1	t	1	1	1	1	0	1	-	0	0	0	0	0	1 2	1	1 2	1 2	0	0	1 2	1 2
12	2	2	2	2	3	3	2	1	2	2		1	1	1	1	2 2	2	2	2	2	1	1	1	1	1
13	1	1	1	1	- 4	1	1	1	- 1	- 1	- 1	1	1	1	2	1	- 1	2	1	1	i	- 1	1	1	1
14	1	1	3	2	- 1	1	- 1	1	- 1	1	- 2		1	,	- 1	2	3	3	3	3	3	2	2	2	2
15	1	1	1	1	1	3	3	4	4	3		3	2	2	1	2	1	2	3	3	3	2	3	3	3
16	3	3	3	3	2	3	2	3	3	2	3	3	3	4	4	3	3	4	4	3	3	3	4	4	3
17	3	3	5	2	2	2	1	2	2	1	1	0	1	1	1	1	0	0	0	0	0	1	1	1	1
19	1	1	1	- 5	ō	1	o	1	ō	1	1	1	1	1	2	2	2	1	1	1	0	1.	1	- 1	- 1
20	ó	0	n	o	0	0	0	1	1	1	0	0	2	1	1	1	2	2	2	1	1.	.1	1	1	- 7
20															-					1	1	1	1	0	1
21	15	2	3	0	0	0	0	0	1	2	1	2	2	2	3	3	2	2	2	2	2	- 1	1	o	1
22	1	1	1	0	1	0	1	1	1	1	1	1	- 1	2	2	2	2	1	1	1	1	1	o	1	1
23	1	1	0	0	0	0	0	0	0	0	0	0	2	2	2	2	2	2	2	2	2	1	1	1	1
24	1	1	0	0	0	0	0	0	0	0	0	ò	ő	ő	ő	ō	ō	0	- 7	0	0	0	0	0	0
25	1	2	- 1	1	!	0	1	U	0	1	1	1	2	2	2	2	3	3	4	3	2	2	3	2	2
26	1	1	1	0	4	3	2	4	- 2	2	2		1	1	- 1	1	1	2	1	1	1	0	0	0	1
27 28	3	2	ő	ò	0	0	0	ò	ò	O	ō		0	0	0	0	1	1	1	0	0	0	0	0	0
29	ő	o.	0	Ö	0	0	0	0	o	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0
30	0	o	ō	o	0	0	0	1	1	1	2	1	1	1	1	2	2	3	3	2	2	2	1	1	1
				1	1		2	2	2	2	2	2	1	2	2	2	2	2	3	3	2	2	2	1	2
31	1	1	1	1	1			2	-					_	_							-			
MEAN	1	1	1	4	1.	3	1:	1	1	1	1	. 1	1		1	1	1	1	1	1	1	1	1	1	1.0

PERCENTAGE OF DATA VALID - 99.2 PERCENTAGE OF DATA INVALID - 0.5

PERCENTAGE OF DATA UNAVAILABLE - 0.3

NOTES 1. "****" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEJS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	PO	LLUTA	INT -	SULPH	UR DI	OXIDE								UNITS	0.	01 PA	RIS/N	ILLLIC	N.						
	ST	ATION	i - 5	E NO	51001		MCDON	ALD G	DN RI	DEAU/	WURTE	MBURG	ST,C	TTAWA		MON	тн -	JUN	77						
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	1	1	1	1	0	1	0	0	0	1	- 1	1	1	2	2	2	2	1	1	1	1
2	1	1	1	1	1	0	1	1	0	1	****	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	. 0	0	0	0	0	0	0	0	1	1	0	0	0	0	0
4	0	0	0	0	0	1.	1.	1	1	1	1	1	1	1	1	- 1	1	1	2	2	2	2	- 1	1	1
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0	****	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1.1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0		0	0	0	0	0		0	- 0		0	0	0	0	0	0	0	ų,
16	0	0	0	0	0	0	0	2	2	0	0	0	0	0	0	0	1	0	0	0	0	0	0	ő	ò
18	0	0		0	0	0	0	0	0	0	0	0		****	0	0	o	0	0	0	0	0	ő	ő	o
19	0	0	0	ő	0	0	0	0	0	0	ő	0	0	0	0	0	ő	ő	0	0	0	o	ő	o	o
20	0	0	0	0	0	0	a	0	ő	o		0	0	1	1	0	0	0	ő	0	0	0	0	0	ő
						0														, .					
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	0	0	1	1	1	0	0	0	0
23	0	0	0	0	0	0	0	1	1	. 1	1	- 1	1	1	1	1	- 1	2	- 1	1	1	1	1	1	t
24	1	1	0	0	0	1	0	4	3	1	1	2	2	2	2	2	2	2	2	2	2	2	3	3	2
25	3	3	3	2	1	1	2	4	2	2	2	2	1	1	1	1		1	1	1	1	1	1	- 1	2
26	- 1	1	1			- 1	1	1	1	3.	1	- 1	- 1	2	2	2	3	3	3	3	3	2	2	1	2
27	1	2	1	1	0	0	1	- 1	1	2	2	2	2	2	2	3	3	3	3	3	3	3	2	2	2
28	****	2	2	1	!		1	1	2		****	****	****	****	****	200		****		****	****	****	****	****	
29 30	0	0				****	****			****	0	0	- 1	1	1	0	0	0	0	0	0	0	0	0	
30	0	0	0	0	0	0	0	0	0	0	0	0	, Ĭ	1	1	1	,	U	0	0	0	0	0	1	0
MEAN	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0.4

PERCENTAGE OF DATA VALID - 95.6 PERCENTAGE OF DATA INVALID - 4.3 PERCENTAGE OF DATA UNAVAILABLE - 0.1

- 2. *-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEJS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNITS - 0.01 PARTS/MILLION

							****		u nti	SEA11 (1)	DTE	MENDE	et n	TTAMA		MONT	TH - 1	mm.	77						
	STA	LION	- SE	NO 5	1001	M	CDOM	ALD GD	N RI	JEAU/	VURIE	MBURG	51,0	LIAWA		MUN	in - 1	JUL	**						
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 1	EAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	ŭ	1	1	1	ĭ	1	1	1	1	1	ŏ	1	ō	1
3	0	0	0	1	0	1	0	ò	2	ò	1	ò	i	ó	ŝ	i	ó	1	1	2	ò	o	0	0	0
4	- !	0	0	0	0	Ö	ő	ŏ	ő	ŏ	Ó	ŏ	ò	ō	Ó	0	0	1	1	1	0	0	0	0	0
5 6	0	ò	ò	o	0	Ö	ŏ	ŏ	ŏ	ő	ō	ō	ō	o	1	1	0	0	1	2	1	1	0	0	0
7	ŏ	ő	0	Ö	o	ŏ	ō	ō	ō	0	0	0	0	0	1	1	1	1	1	1	- 1	2	1	1	0
é	ĭ	1	ĭ	1	1	1	1	1	1	1	2	1	1	2	2	2	2	3	3	3	2	2	2	1	2
9	1	i	1	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	٥	1	0	0	0
10	0	0	0	0	O	0	0	0	0	0	0	0	0	0	1	1	1	1	2	2	1	,	1	150	
11	0	0	0	0	0	0	0	0	0	0	0	****	1 0	1 0	1	1	1	1	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	****	1		1	1	,	1	ĭ	1	ŏ	o	0	0
13	0	0	0	0	0	0	0	0	0	0	Ö	0		4	1	- 1	i i	'n	ì	i	i	ŏ	ō	0	0
14	0	0	0	0	0	0	0	ö	1	1	2		2	****	•	ò	Ö	Ó	ò	o	o	0	0	0	
15 16	0	0	0	0	ő	ő	ŏ	ő	ò	ò	ō	ō	ō	0	0	0	0	0	0	0	0	0	0	0	0
17	Ö	ŏ	0	ő	ő	o	ŏ	ō	ō	ō	0	0	0	0	0	0	0	0	0	0	0	0	0	0	.0
18	ő	ŏ	o	ŏ	ŏ	ō	ō	ō	ō	0	0	0	0	1	1	1	1	1	1	1	1	1	1	0	0
19	ő	ŏ	ŏ	ō	0	0	1		1	1	1		2	2	3	3	3	3	2	2	2	2	2	1	2
20	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	4	4	4	3	3	3	3			
21	3	2	1	1	0	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0		0	ŏ	0	ő	ŏ	ŏ	1	1	ŏ	2	3	1	0
23	0	0	0	0	0	0	1	0	0	Ö	ő		ő	1	ő	0	ŏ	1	1	i	1	1	1	1	1
24	2	1	1	1	1	1	٠	- 1	- 1	Ď	ő		ŏ	ò	ŏ	ŏ	0	0	0	0	0	0	0	0	0
25 26 27	0	0	0	0	ò	ó	ò	ò		-			****	**** *	***						****				
26	U	U	U	U	U		•	•						INVALI											
28																									
29														INVALI											
30													DATA	INVALI	D -										
31													DATA	INVAL	D -									200	
MEAN	0	0	0	0	0	0	0	0	0	0	C	0	0	1	1	1	1	1	1	1	1	1	1	0	0.5

PERCENTAGE OF DATA VALID - 81.2

PERCENTAGE OF DATA INVALID - 18.4

PERCENTAGE OF DATA UNAVAILABLE - 0.4

NOTES 1. "**** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

UNITS - 0.01 PARTS/MILLION POLLUTANT - SULPHUR DIOXIDE MCDONALD GON RIDEAU/WURTEMBURG ST.OTTAWA STATION - SE NO 51001 HOUR DATA INVALID DATA INVALID DATA INVALID 3 4 5 6 7 8 9 10 1 0 . 12 13 14 15 16 17 18 19 20 0-00 DATA DATA DATA 22 23 24 25 26 27 28 29 30 INVALID INVALID INVALID 1 1 0 0 2 1 0 0 1 0 1 0 2 0 0.6 MEAN

PERCENTAGE OF DATA VALID - 69.9

PERCENTAGE OF DATA INVALID - 29.8

PERCENTAGE OF DATA UNAVAILABLE - 0.3

- 2. "." INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - SULPHUR DIOXIDE UNITS - 0.01 PARTS/MILLION

			****	2021	1011 01									0.4113	U.C	A CAR	12/11/	LLIUN	*						
	51	TATION	V -	SE NO	51001	:	MCDOM	ALD C	DN RI	DEAU,	WURTE	MBUR	G ST.	AWATT		MONT	H - S	EP	77						
DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1 2 3 4 5 6 7 8 9													DATA DATA DATA DATA DATA DATA DATA	INVALI INVALI INVALI INVALI INVALI INVALI INVALI INVALI INVALI	0000000										
11 12 13 14 15 16 17 18 19	**** 0 2 0 0	0 1 0 0	0 2 0 0	0 1 0 0	0 1 0 0	0 2 0 0	0 2 0 0	0 2 0 0	**** 0 2 0 0	0 1 0	0 2 0		DATA DATA DATA DATA ****	INVALI INVALI INVALI INVALI INVALI O 5 O	D - D - D -	0 0 2 0 0	0 0 1 0 0	0 0 0 0	0 0 0 0	0 0 1 0 0	0 0 1 0 0	0 0 2 0	0 0 0 0	0 0 0 0	0 2 0 0
21 22 23 24 25 26 27 28 29 30	0 0 0 0 0 0 1 1 0	000000000000000000000000000000000000000	000000000000000000000000000000000000000	0 0 0 0 0 0 3 0 1	000000510	000000000000000000000000000000000000000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0000004100	0 0 0 0 0 2 1 0 0	0 0 0 0 0 1 1 0 1	0000000001001	000000000000000000000000000000000000000	0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0 1 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 1 1 0	0 0 0 0 0 1 1 1 1 1 0	0 0 0 0 1 2 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 1 0 0 0 0	0 0 0 0 0 1 1 0 0	0 0 0 0 0 2 1 0 0	0 0 0 0 0 1 1 0 0
MEAN	0	0	0	0	1	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0.3

PERCENTAGE OF DATA VALID - 47.6 PERCENTAGE OF DATA INVALID - 52.4 PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. ****** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ******* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POLI	UTANT	- St	JLPHU	R DIOX	IDE								UNITS	- 0.	01 PA	RTS/M)	ILLIO	N						
	STAT	ION -	SE	NO 5	1001	M	CDONAL	D GDN	RID	EAU/	WURTE	MBURG	ST.O	TTAWA		MON	тн - с	ост	77						
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1 2 3 4 5 6 7 8 9	0 0 0 1 1 0 1	0 0 0 2 1 0 1	0 0 0 0 2 2 0 1 0 1	0 0 0 0 2 1 0 1 0 1	0 0 0 0 2 1 0 1	0 0 0 0 2 1 0 1 0 1	0 0 0 0 3 1 1 1 0 1	0 0 0 0 2 1 1 1 0 1	0 0 0 0 2 1 1 1 0 1	0 0 0 0 1 0 1	0 0 0 0 1 0 0 0 1	000000000000000000000000000000000000000	****	000000000000000000000000000000000000000	0 0 0 0 0 0 0 0	0 0 0 1 0 0 0 1 0	0 0 0 1 0 0 0	0 0 1 0 0 0	0 0 1 1 0 0 0 0	0 0 0 1 0 0 0 0	0 0 0 1 1 0 0 1	0 0 1 1 0 0 1	0 0 1 2 1 0 1 0 0 3	0 0 1 2 1 0 2 0 0 3	0 0 0 1 0 0 1
11 12 13 14 15 16 17 18 19 20	3 0 1 1 0 2 1 0	3 0 0 1 0 0 0 0 1 0	2 0 0 1 1 0 0 0 1 0	2 0 0 1 1 0 0 1 1 0 0	1 0 0 1 1 0 0 0	1 1 0 1 1 0 0 1 0 0 0	1 1 1 0 0 0 1 1 0 0	1 1 2 1 0 0 2 1 0	1 0 0 2 1 0 0 3 0 0	1 0 0 4 1 0 0 3 0 1	100210000	1 0 0 1 1 0 0 2 0 1	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 1 0 0	000000000000000000000000000000000000000	0 0 0 1 0 0 0 2 0 0	0 0 1 1 0 0 0	0 0 0 1	0 0 1 2 0 0 1 0 0	0 1 1 1 2 0 0 1 1	0 1 1 2 0 0 1 1	0 1 1 0 3 0 0 1	0 1 1 0 2 1 0 0	0 0 1 0 2 1 0 0	1 0 0 1 0 0 0
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31 MEAN	1	0	0	1	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	1	1	0	1	1	0.5

PERCENTAGE OF DATA VALID - 98.5 PERCENTAGE OF DATA INVALID - 1.3

PERCENTAGE OF DATA UNAVAILABLE - 0.1

- 2. *-" INDICATES DATA IS UNAVAILABLE
 - 3. "****** INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - SULPHUR & GAIDE

UNITS - 0.01 PARTS/MILLION

					10.100																				
	STA	TION .	5 E	NO 5	1001	М	CDONA	LD GDI	N RIC	EAU/V	VURTER	MBURG	ST.C	TTAWA	1	MONT	н - м	ίΟν	77						
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2	0	0	0	0	0	1	1	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Ö	0
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13	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	a	0	0	0	0	0	0	0	0
14	0	0	0	0	0	1	1	1	1			2	1	1	2				2	3	3	3	3	2	- 1
15	1	2	3	3	2	2	1	1	1	1		1	1	. 1	2	2	3	1	2	1	1	1	0	0	1
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23	2	5	2	2	2	2	2	2	1	1	0			1	1	1	1		- 1	1	1	- 1	1	1	1
24	1	1	1	2	2	3	3	2	2	2	2	1	1	1	1	2	3	2		1	1	1	2	2	2
25	1	1	1	1	1	1	1	1	1	1	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1
26	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		1	1	1	1	1	- 1	1	
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28	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	2	2	2	2	2	3	3	3	4
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30	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	*
MEAN	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	0.8

PERCENTAGE OF DATA VALID - 99.0

PERCENTAGE OF DATA INVALID - 1.0

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. "**** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

POLLUTANT - SULPHUR DIOXIDE UNITS - 0.01 PARTS/MILLION STATION - SE NO 51001 MCDONALD GDN RIDEAU/WURTEMBURG ST.OTTAWA MONTH - DEC 77 8 10 11 12 13 14 15 16 17 20 21 22 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 21 22 23 24 25 26 27 28 29 30 31 3 3 3 3 3 MEAN 2.7

PERCENTAGE OF DATA VALID - 94.9

PERCENTAGE OF DATA INVALID - 5.1

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. "." INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1977

POLLUTANT : SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - SE N	0 51001 MCDONALD GE	ON RIDEAU/WURTEMBURG ST. 01	TTAWA	
MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	26	2.5	7	14
FEB	16	2.9	5	9
MAR	27	1.4	4	7
APR	30	1.4	3	7
MAY	31	1.0	3	5
JUN	28	0.4	2	4
JUL	25	0.5	2	4
AUG	20	0.6	2	4
SEP	14	0.3	2	5
OCT	31	0.5	1	4
NOV	30	0.8	4	8
DEC	29	2.7	5	9
YEAR	307	1.2	7	14

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1977

POLLUTANT -	SULPHUR	DIOXID	E				UNITS - C	0.01 PARTS/	MILLION		
STATION -	SE NO 5	1001	MCE	DONALD GDN	RIDEAU/WUF	RTEMBURG ST	AWATTO,				
MONTH	00 TO 04	4 05 T	10	11 TO 14	15 TO 25	26 TO 39	40 &OVER	TOTAL			
JAN	550	0	89	5	0	0	0	644			
FEB	336	5	83	0	0	0	0	419			
MAR	634	4	15	0	0	0	0	649			
APR	70	3	В	0	0	0	0	711			
MAY	73	7	1	0	0	0	0	738			
JUN	681	9	0	0	0	0	0	688			
JUL	60	4	0	0	0	0	0	604			
AUG	52	0	С	0	0	0	0	520			
SEP	34	1	2	0	0	0	0	343			
OCT	73	3	C	0	0	0	0	733			
NOV	70	0	13	0	0	0	0	713			
DEC	64	1	65	0	0	0	0	706			
YEAR	718	7	276	5	0	0	0	7468			
FREQUENCY	DISTRIBU	TION BY	PER	CENTILES		CONCEN	TRATIONS				
	OF DATA VALID	MIN		10	FREQ 30 5	UENCY DISTR			98 99	Max	ARITH MEAN
	85.3	0		0.0	0.0 0.	4 1.1	2,7	3.6 4	.8 5.8	14	1.2

	PO	LLU ANT	- 5	ULPH	UR DI	OXIDE	E							UNITS	- 0	01 PA	RTS/M	ILLLIO	N							
		TION -	SE	NO	52020)	CHURC	HILL	PK NA	PIER	ST K	INGST)N			MON	тн -	JAN	77							
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2	0	0	0	0	0	0	0	••••		0	0	0	0	0	0	1	2	1	-	• • • •		0	0	0		
3	1	1	1	0	1	- 1	- 1	••••		1	1	1	1	1	2	2	2	1		••••	••••	2	3	2	1	
4	2	1	2	1	2	1	_ 1		••••	5	5	2	2	0	0	1	2	2		••••	1	1	2	1		2
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	- 1	1	3	3	3	3	_		1	3	2	2	2	2	2	2	3	- 1		****	1	0	,	1		2
	3	3	0	2	1	3			1	1	- 1	1	1	1	1	2	,	3		••••		2		2		1
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15	6	5	5	5	6	6	6		****	7	8	8	6	5	5	6	3	2	2			1	0	0		5
16	0	1	1	1	1	1	1		****	1	1	1	1	1	0		0		1	1		0	0	0		1
17	0	0	0	0	0	1	0		****	1	0	0	a	0	0		0	0	0	1		1	0	1		0
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21	0	0	0	0	1	1	1			1	1	1	1	1			1	1	1			0	0	1		1
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23	1	1	1	1	1	1	1			3		1		0	0		1	1	2		••••		2	1		1
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MEAN	1	1	1	1	1	2	2	2	2	2	2	2	1	1	1	2	1	1	1	2	1	1	1	1	1.	4

PERCENTAGE OF DATA VALID - 83.6 PERCENTAGE OF DATA INVALID - 16.4

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- *- * INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEJS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POL	LUTAN1	r - s	ULPH	UR DIO	KIDE							1	UNITS	. 0.	O1 PAI	RTS/MI	LLIO	N						
	STA	TION -	SE	NO	52020	(CHURCH	ILL	PK NA	PIER :	ST KI	NGSTON	ř.			MON'	TH - F	EB	77						
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 M	EAN
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18	2	2	3	3	2	2	2	2		3	2	2	2	2	2	2	3	3	3	2	****	2			
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MEAN	1	1	1	1	1	2	2	2	0	1	2	2	1	1	1	2	ĵ	2	2	2	1	1	1	1	1.5

PERCENTAGE OF DATA VALID - 82.1 PERCENTAGE OF DATA INVALID - 7.1

PERCENTAGE OF DATA UNAVAILABLE - 10.7

- 2. .- INDICATES DATA IS UNAVAILABLE
- 3. ******* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNITS 0.01 PARTS/MILLION

	PUI	LLUIA	141	SULFIN	an Di	MIDE																			
	ST	ATION	- SE	NO !	52020	0	HURCH	ILL	PK NAF	PIER S	T KI	NGSTO	N			MON	тн -	MAR	77						
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9	ő				2	2	2	2		2	2	1	1	1	1	1	1	- 1	0			1	1	3	
10	1		0	ó	ō	ō	1			2	1	1	1	1	2	3	2	2	1	1	****	3	2	3	
1.0	1.	7	U					-																	-
2.2	1	1	2	2	1	2	3	B	****	5	3	3	1	1	1	2	1	1	1		****	1	1	1	2
11		- 1	1	- 4	- ŝ	3	2			0	0	0	0	0	0	0	0	0	0			1	1	1	0
12	1	- 1		0	ò	o	ō	ō	0	0	0	0	0	0	0	2	1	1	- 1		****	1	2		
13	0	0	0		0	ő	0			0	0	0	0	0	0	1	0	0	0			0	0	3	0
14	1	1	0	0						1	1	1	1	3	2	4	1	0	0	0		0	0	1	1
15	0	0		0	0		- 1			o	o	o	0	0	0	0	0	0	0	0		0	0	0	0
16	1	1	2	2	0	1	o	- 5		0	0	0	ō	0	1	1	1	1	1	0		0	1	1	0
17	0	0	0	0	0	0				0	o	ŏ	o		****	0	0	1	1	0	0	0	1	1	0
18	1	- 1		0	0	0	0	-		ő	o	o	0	0		0	0	0	0	0	1	1	2	2	0
19	0	1	****	0	0	0	0	0	0	1	0	1	0			0	0	0	0	0	0	1	2	1	3
20	2	- 1	****	1	1	1	2	3	~	3.													-	_	
21	0	0	****	0	0	0	1	1	1	0	0	0	0		****	0	0	0	0	1	2	3	2	0	o
22				0	0	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0		1	ĭ
23	ó			0	0	0	ō	1	1	2	2	1	2	. 1	****	1	1	0	1	1	2	3	2		
24	0			ő	0	Ö	1	1	0	0	0		****	****	****	****			****	••••		****		2	0
			****		****		1	- 1	1	1	- 1	1	0	0	0	0	0	****	0	0	0	0	0		·
25							0	- 1	ì	1	1	1	1	1	1	1	1	****	0	0	0	1	1	0	
26	- 1	0		1			1	- 4	2	1	2	3	3	2	2	- 1	2	****	1	2	2	2	2		2
27	- 1	1			100		3	5	2	3	1	1	1	1	2	2	1	****	1	1	1	1	1	2	2
28	1	1	2				1		- 1	1	1	1	1	1	1	1	1	****	0	0	0		0		1
29	2		1	- 1			3	4	- 1	- 1	2	- 1	0	0	1	1	1	****	1	0	0	0	0	0	1
30	0	C	0	1	0	****	3	4	1		*														
31	0	C	0	0	0		0	0	0	0	0	0	0	0	0	0	****	****	0	0	0	0	0	0	0
MEAN	1				0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.7

PERCENTAGE OF DATA VALID - 89.4

PERCENTAGE OF DATA INVALID - 10.6

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. *- INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

UNITS - 0.01 PARTS/MILLION POLLUTANT - SULPHUR DIOXIDE MONTH - APR CHURCHILL PK NAPIER ST KINGSTON STATION - SE NO 52020 24 MEAN HOUR DAY 0 **** 0 0 1 4 5 6 7 8 9 1 0 0 0 0 1 12 13 14 15 16 17 18 19 20 000. 0 1 0 0 1 1 0 1 DATA INVALID INVALID INVALID INVALID INVALID INVALID DATA 22 23 24 25 26 27 28 29 DATA DATA DATA DATA DATA INVALID DATA INVALID DATA INVALID DATA INVALID 0.3 O 0 0 MEAN

PERCENTAGE OF DATA VALID - 60.3

PERCENTAGE OF DATA INVALID - 39.7

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. *- INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LE-S THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNITS - 0.01 PARTS/MILLION

	ST	ATION	· 58	NO	52020	9	CHURC	HILL	PK NA	PIER	ST K	NGST	NC			MON	TH -	MAY	77						
HOUR DAY	1	2		4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1 2														I NVAI											
3	14	- 2	727	24			36		100	-	*		3.00				0	0	0	0	0	0	0	0	
4	1	1	1	1	1	2	2	1	0	0	0	0	0						0	0	0	0	0	0	1
5	ò	Ó	ò	0	ò	ō	ō	0	õ	ō	Ó	ō	0	0	0	0	0	0	o	0	0	0	0	0	0
6	o					ñ	ō	ī	2	ī			0	0	ō	o	0	0	0	0	ō	0	0	0	0
7	ŏ	0	0	0	0	ō	ĩ	1	ō	0	0	0	0	0	o	0	0	0	0	o	ō	1	2	1	0
á	ŏ	ő	ŏ	õ						ő	ō	0	0	0	ō	Ĩ	0		0	o	ī	6	2	1	1
ă	2	3	2	ĭ									****				o		0	ō	3		o	0	
10	ō	ĭ	2	2	0	0	0	1	0	0	0	0	0	0	0	0	0	0	ō	ō	ō	0	0	0	0
11	0	1	0	0	0	1	0	0	0	0		0			0				0	0	0	0	0	0	0
12	0	0	0	0	0	0		0	0	0	0	0			0		0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0		0	0	0									1		1	1	0	0	0
14	0	0	0	0	0				0	0					0		0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0		0	0	0					0		0	0	0	0	0	0	****	****	0
16	0	0	0	0	0	0				0		0			0	0	0		0	0	0	0	0	0	0
17	0	0	0	0		0	0			0		0	0						0	0	0	0	0	0	
18	0	0	0	0						0			1	- 1	2				1	1	1	1	3	3	
19	3	4	4	3	3			1	0	1	****	****	0			0	0		0	0	2	3	2	3	
20	2	2	4	10	6	5	4	4	2	1	1	1	0	0	0	0	0	0	0	0	0	0	0	1	2
21	1	1	1	1				0		0							0	0	0	0	0	0	0	0	
22	0		1	3		2		0		0						0	0	0	0	0	0	0	0	0	
23	0	0	0			1	1	2		3		0					0	0	0	0	0	0	0	0	
24	0	0	0	0		0				0		0							0	0	0				
25	0	2	2	1	1	1		0		0		****							0	0	0	0	0	0	
26	1	1		3	1	1		1	0	0							0		0	0	0	0	Ö		
27	1			1	1	- 1			D	0									0	0	0		ŭ	3	
28	0	0	0		0	0			0	0									0	0	1	3	2		
29	2		0	1	3	3		1	- 1	1									0	0	0	0	Ÿ	0	1
30	0	0	0	1	1	2	1	1	1	1	1	1	0	0	0	0	C	0	0	0	0	1	,	1	1
31	0	1		2	3	5	7	7	4	2	1		0	0	2	0	C	0	0	0	0	0	0	0	2
MEAN	0	1	1	1	1	1	1	1	1	0	0	C	0	0	0	0		0	0	0	0	1	0	1	0.4

PERCENTAGE OF DATA VALID - 85.9

PERCENTAGE OF DATA INVALID - 12.0

PERCENTAGE OF DATA UNAVAILABLE - 2.2

- NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE
 - 2. .. INDICATES DATA IS UNAVAILABLE
 - 3. ****** INDICATES LEJS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

UNITS - 0.01 PARTS/MILLION POLLUTANT - SULPHUR DIOXIDE MONTH - JUN 77 STATION - SE NO 52020 CHURCHILL PK NAPIER ST KINGSTON 8 9 10 11 12 13 14 15 16 17 18 19 HOUR 20 21 22 23 24 MEAN 0 0 2 2 0 0 0 1 1 2 3 4 5 6 7 B 9 10 0 0 0 0 0 0 1 •••• 12 13 14 15 16 17 18 19 20 22 23 24 25 26 27 29 30 0.2 MEAN

PERCENTAGE OF DATA VALID - 93.1

PERCENTAGE OF DATA INVALID - 6.9

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. "**** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE
 - 2. "-" INDICATES DATA IS UNAVAILABLE
 - 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNITS - 0.01 PARTS/MILLION

	S	TATION	- SE	NO 5	52020		CHURCH	ILL	PK NA	PIER	ST KI	NGS	TON			MON	тн -	JUL	77							
HOUR	1	2	3	4	5	6	7	8	9	10	11	13	2 13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	****	0	0	0	0	0	0	0	0	0	0	-	****	0	0	0	0	0	0	0	0	0	0	0		0
2	****	0	0	0	0	O	0	0	0	0	0		****	0	0	0	0	0	0	0	0	0	0	0		0
3	****	0	0	0	0	0	0	0	1	0	0	- 1	****	0	0	0	0	0	0	0	0	0	0	0		0
4	****	0	0	0	0	0	0	0	0	0	0	- 1	****	0	0	0	0	0	0	0	o	0	0	0		0
5	****	0	0	0	0	0	0	0	0	0	0	i	****	0	0	0	0	o	o	o	o	o	0	0		0
6		0	0	0	0	0	0	0	0	0	0	- 1	****	0	0	0	0	0	ŏ	0	0	o	0	0		Ö
7	****	Ö	0	0	0	0	0	0	0			i	****	ő	0	0	Ö	o	ő	o	ő	o	o	o		0
8	****	0	o	0	0	0	ō	Ö	o	0	0	i	3 ****	o	o	o	o	ő	ő	0	ő	ő	o	0		o
9	****	0	o	0	0	0	o	o	o	0	o	- 1	****	ő	o	ő	ő	ő	ŏ	ő	o	0	o	ő		o
10	****	o	o	0	0	0	o	0	o	o	õ	- 6	****	o		ő	0	o	ő	ő	o	0	o	ŏ		Ö
												,		0		0		.0	0	0	U	Ů.				0
11	****	0	0	0	0	0	0	0	0	0	0		****	0	0	0	0	0	0	0	0	0	0	0		0
12	****	0	0	0	0	0	0	0	0	0	0	- 6	****	0	0	0	0	0	o	o	o	0	0	0		0
13		0	0	0	0	0	0	0	0	1	2	- 5	****	0	ő	o	0	o	ő	o	ő	o	o	ō		0
14	****	0	0	0	0	Ó	1	1	1	î	0	- 1		o	o	o	0	1	1	1	·	0	o	o		o
15		0	0	0	0	0	1	1	- 1	- 1	1			ĭ	ĭ	1	1		1			ő	o	ő		1
16	****	Õ	o	0	0	o	o	o	ó	ò	ò		****	ò	ò	ò	ò	ò	0	0	ó	o	0	o		0
17		o	o	0	o	ō	o	o	o	0	ő			0	ő	ő	ő	o	ő	0	0	0	o	o		Ö
18		ō	o	0	ő	1	0	o	o	0	o			ő	ő	o	ő	ő	o			ő	ő	ő		ő
19		0	o	o	o	ò	ő	0	o	0			****	·		ő	ő	ő		0	0		o			Ö
20		****	0	0	0	Ď	ő	0	0	0	o		****	0	0	0	0	0	0	0	0	0	0	0		0
20			U	0	0	v	U		U				,	0		U	U	0	- 1	O	0	U.	U	.0		U
21	****	0	0	0	0	0	0	0	0	0	0	1	****	0	0	0	0	0	0	0	0	0	0	0		0
22	****	0	0	0	0	0	0	0	0	0	0	- 1	. ****	0	****	****	0	0	0	0	0	0	0	0		0
23	****	0	0	0	0	0	0	0	0	0	0	- 1	****	0	0	0	0	0	0	0	0	0	0	0		0
24	****	0	0	0	0	0	0	0	0	0	0	- (****	0	0	0	0	0	0	0	0	0	0	0		0
25	****	0	0	0	0	0	0	0	0	0	0	- 1	****	****		1	1	0	0	0	1	2	2	2		0
26	1	1	2	2	1	1	0	0	0	0	1	3	1 0	0	0	0	0	0	o	ō	0	1	1	0		1
27	0	0	0	0	0	0	0	0	0	0	0			0	0	0	0	0	o	o	ō	0	0	0		0
28	****	0	1	1	0	0	1	1	0	0	1		. ****	0	1	0	0	0	o	0	o	0	0	0		0
29	****	0	0	1	1	0	0	0		6	6	- 1		6	5	4	4	3	2	2	3	5	4	4		3
30	****	5	5	4	4	5	5	4	3	3	4		. ****	5	4	3	2	3	2	2	2	2	2	2		4
31	• • • •	2	2	2	2	2	3	1	1	2	4			5	6	5	5	5	4	4	3	4	4	4		3
MEAN	1	0	0	0	0	0	0	0	0	0	1	-	1 0	1	Y	0	0	0	0	0	0	0	0	0	0.	. 4

PERCENTAGE OF DATA VALID - 91.0 PERCENTAGE OF DATA INVALID - 9.0

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. *- * INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

POLLUTANT - SULPHUR DIOXIDE UNITS - 0.01 PARTS/MILLION STATION - SE NO 52020 CHURCHILL PK NAPIER ST KINGSTON MONTH - AUG 77 HOUR 6 8 9 10 11 12 13 14 15 16 17 18 21 22 23 DAY :::: 6 **** 6 6 **** 6 **** 10 **** 5 **** 6 **** 4 **** 10 3 6 3 4 ···· 5 ···· 7 ···· 4 ···· 3 ···· 6 ···· 4 ···· 8 :::: 3 20² 21 3 3 3 3 2 2 3 2 :::: 22 24 25 26 DATA INVALID 3 4 27 5 4 3 28 29 30 10 10 3 31 2 2 2 2 2 2 6 **** 6 5 5 3 MEAN 5 5 3 3 3 3.7 3

PERCENTAGE OF DATA VALID - 84.1

PERCENTAGE OF DATA INVALID - 15.9

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. * - " INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

	ST	ATION	- 5E	NO	52020		CHURC	HILL	PK NA	PIER	ST KI	NGSTO	N.			MON	тн -	ŞEP	77						
HOUR	,1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1 2 3 4 5	3 3 0 0	0	3 2 0 0	3 2 0 0	3 2 0 0	3 2 0 0	3 2 0 0	4 2 0 0	5 2 0 0	5 2 0 0 0	4 2 0 0	5 2 0 0	6 2 0 0	 0 0	6 0 0	0	2	 0 0	3 0 0	2 0 0	2 0 0	² 0 0	2 0 0	² 0 0	 0 0
6 7 8 9	0000	0 0 0	0 0 0	0 0 0	00000	0 0 0	0 0 0 0	000000	00000	0000		0		0	0 0 0	0000	00000	00000	0 0 0	00000	00000		0	0	0
11 12 13 14 15 16 17 18 19	0 0 0 0 0 0 0	00100000	0 0 0 0 0 0	0 0 1 0 0 0 0 0	000000000	00000000	0 0 0 0 0 0 0	0	0 1 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	00000000	••••	0 0 0 0 0 0 0	0 0 0 0 0 0	000000000000000000000000000000000000000	0	0 0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0000000		00000	00000	000000000000000000000000000000000000000
21 22 23 24 25 26 27 28 29 30	000000000000000000000000000000000000000	00000000	0 0 0 0 0 0 0 0 1	0 0 0 0 0 0	000000000000000000000000000000000000000	000000000	00000000	000000000000000000000000000000000000000	000000000000000000000000000000000000000	000000000	0000000	000000000000000000000000000000000000000	000000		0	0 0 0	1	0	0 0 0 0 0 0 0 1		0 0 0	00000	0 0 0	0 0 0 0 0 0 0 1	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2

PERCENTAGE OF DATA VALID - 89.7 PERCENTAGE OF DATA INVALID - 10.3

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT . AIR RESORCES BRANCH

	POLI	LUTANT		SULPH	JR DIO	XIDE							Ų	NITS	- 0.0	1 PAR	TS/MI	LLION							
	STA	TION -	SE	NO	52020		CHURCH	ILL P	NAP	IER S	ST KIN	GSTON				MONT	н - о	CT	7 7						
HOUR	•	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 ME	
1 2 3 4 5 6 7 8	00000000	00000000	000000000000000000000000000000000000000	000000000	000000000	000000000	0000000000	000000000	0000000000	0000000000	0000000000	000000000	000000000	0000000000	0000000000	000000000	0000000000	000000000	0000000000	0000000000	0000000000	000000000	000000000	0 0 0 0 0 0 0	0 0 0 0 0 0
10 11 12 13 14 15 16 17 18 19	0 0000000000000000000000000000000000000	0 0 0 0 0 0 0 1 0	0 1 0 0 0 1 0 1 1 0	0 1 0 0 0 1 0 2 1 0	0 0 0 0 1 0 2 0 0	000000000000000000000000000000000000000	0 0 0 0 1 0 1 3 0 1	0 0 0 0 1 0 1 3 1 1	0 0 0 0 1 0 1 2 1 1	0 0 0 0 1 0 1 1 1 1 1	0 0 0 0 0 1 1 1	000000000000000000000000000000000000000	000000000000000000000000000000000000000	0 0 0 0 0 2 1 1	0 0 0 0 0 0 1 1 1	0 0 0 0 0 0 1 1 1	0 0 0 0 0 0 1 1 1	0 0 0 0 0 1 0 1	0 0 1 0 1	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0010000201	0010000200	0 0 1 0 0 1	0 0 1 0 0 0 1	0 0 0 0 0 0 0 2 1 1
21 22 23 24 25 26 27 28 29	0 1 0 1 1 1 1 1 0 0	0 1 1 1 1 1 0 0	0 1 0 1 1 1 1 0 0	0 1 0 2 1 1 1 0 1	0 1 0 2 1 1 1 0 0	1 0 2 1 1 1 0 0	1 1 2 1 1 1 0 0	1 1 0 3 1 1 1 0 1	1 1 0 3 1 1 1 0 0	1 1 0 1 1 1 0 0	1 2 0 1 1 1 1 1 1 0 0	0 1 1 1 1 0 0	0 0 1 1 0 0 0	1 0 0 1 0 0 0	1 0 0 1 1 1 1 1 0 0	1 0 0 1 2 1 1 0 0	1 1 0 1 2 1 1 0 0 0	1 0 2 2 1 1 0 0 0	1 1 2 2 1 1 0 0 0	1 0 1 2 2 1 1 0 0 0	1 0 2 2 1 1 1 0 0 0	1 0 2 2 1 1 1 0 0 0	1 0 2 2 1 1 1 0 0 0	1 0 1 2 1 1 0 0 0	1 0 2 1 1 1 1 1 0 0 0
31 MEAN	0	0	0	0	1	1	1	2 1	1	0	0	0	0	0	0	0	0	0	1 0	0	0	0	0	0	0.4

PERCENTAGE OF DATA VALID - 99.6 PERCENTAGE OF DATA INVALID - 0.4

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. .- INDICATES DATA IS UNAVAILABLE
- 3. "***** INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNITS - 0.01 PARTS/MILLION

	STAT	TION -	SE	NO.	52020	į	CHURCH	LL PI	NAF	IER S	ST KIN	GSTON	4			MON1	н - н	40¥	77						
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1 2 3 4 5 6 7 8 9	00000000	000000000	000000000	0000000000	0 0 0 0 0 0 0 0 0	000000000	0 0 0 0 0 0 0 0 0	0000000000	0 0 0 0 0 0 0 0	0000000000	0000000000	0000000000	000000000	000000000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 1 0	000000000	000000000	000000000	000000000	000000000	000000000	0000000000	000000000	0 0 0 0 0 0 0 0 0
11 12 13 14 15 16 17 18 19	00000000	000000	0 0 0 0 0 0 0 0	000000000000000000000000000000000000000	000000000000000000000000000000000000000	0 0 0 0 0 0 0 1	0 0 0 0 0 0 0 0 0 1	000000000	0 0 0 0 0 0 1	00000000	000000000	0 0 0 0 0 0 0	0 0 0 1 1 0 0 0 0	0 0 1 2 1 1 0 0 0 0	0 0 0 0 0 0 0	0 0 1 2 1 1 0 0 0 0	0 0 1 1 1 0 0 0 0 0	0 0 0 0 0 0	0 1 0 0 0 0 0 0 0	0 0 0 0 0 0	0 1 0 0 0 0 0	0 0 0 0 0 1 0	0 0 0 0 0 0 1 0	0000000000	0 0 0 1 0 0
21 22 23 24 25 26 27 28 29 30	0 0 0 0 0 0 0 5 1	0 0 0 0 0 0 5 0	0 0 0 0 0 0 5 0	0 0 1 0 0 0 0 6	0 0 0 0 0 0 0 6 1	0 0 0 0 0 6 2	0 0 0 0 0 5 3	0 0 0 0 0 0 4 1	0 0 0 0 0 0 0 0	0000000000	000000000000000000000000000000000000000	0 0 0 0 0 0 1 1	0 0 0 0 0 1 1 0	000000000000000000000000000000000000000	0 0 0 0 0 1 0 0 0	0 0 0 0 0 1 1 0	0 0 0 1 0 0 1 2 0	0 0 0 1 3 0	0 0 0 0 0 1 3 0	0 0 0 0 0 1 3 0	000000000000000000000000000000000000000	00000000000	0 0 0 0 0 0 3 1 0	0 0 0 0 0 0 3 1 0	0 0 0 0 0 0 1 3 0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2

PERCENTAGE OF DATA VALID - 99.4 PERCENTAGE OF DATA INVALID - 0.6 PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POL	LUTANI	r -	SULPH	UR DI	OXIDE	E							UNITS	- 0	01 PA	RTS/N	ILLIO	N						
	STA	TION .	SE	NO	52020		CHURC	HILL	PK NA	PIER	ST KI	NGSTO	N			MON	тн -	DEC	77						
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1 2 3 4 5 6 7 8 9	0 1 1 0 0 0 0 0 0 0 0 0	0 2 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 1	000000000	000000000	0 1 0 0 0 0 0 1	0 1 0 0 0 0 0 0 1	0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 1 0 1	0 1 0 0 0 0 1 0 1	0 1 0 0 0 0 1 2 1	0 0 0 0 0 0 1 1	0 0 0 0 0 0 0 0 1 0	0 0 0 0 0 1 1 1	0 0 0 0 0 0 1 1 1	0 0 0 0 0 0 1 1	1 2 0 0 0 0 0 0	2 3 0 0 0 0 0 0 3 1	1 0 0 0 0 0 0 1 1	1 1 0 0 0 0 0 0 0 0 0 0 0	1 0 0 0 0 0 0 0 0	000000000000000000000000000000000000000	0 0 0 0 0 0 0 0 1	1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 1 1
11 12 13	1	1	1	1	1	1	1	1	1 4	1	1	1	1 1 DATA	1 **** INVAL		!		!	!	!		1		****	
14 15 16 17 18 19 20	2 1 1 1 0	2 2 1 1 1 1 1	2 2 1 1 1 1 1	2 2 1 1 1 1 1	2 2 1 1 1 1 1	2 2 1 1 1 1 1	2 1 2 1 1	2 1 1 2 1 1	2 1 1 2 1	2 2 1 2 1	2 2 1 1 1 1 1	2 2 2 1 1	2 2 1 1 0	1 3 1 1 0	1 1 1 1 0	3 1 **** 1 1 0	3 2 1 1 1 1 0	1 0 1 1 0	2 2 0 1 1 1 0	2 1 1 1 1 0	2 1 1 1 1 0	2 1 1 1 1 1 1	2 1 1 1 1 1 1 1	2 1 1 1 1 1 1 1 1	2 1 1 1 1 1
21 22 23 24 25 26 27 28 29 30	0 1 0 2 1 0 0 0 1 1	0 1 0 2 1 1 1 1 1 1	1 0 1 1 0 2 1 3 2	1 1 1 1 1 0 0 2 2 3	1 1 2 1 0 0 3 1 2	1 1 2 0 0 0 3 1 1	1 1 2 0 0 1 4 2	1 1 2 0 0 2 3 2 1	1 1 2 0 1 2 5 2 2	0 1 1 2 0 0 1 3 1 2	0 1 1 2 0 0 0 1 2 2	0 1 1 2 0 0 0 0 0 2 0	0 1 1 2 0 0 0 1 1 0	0 1 2 0 0 0 1 1 1	0 1 2 0 0 0 1 1	1 3 0 2 0 0 1 1 1	1 1 2 0 0 2 1 1 0	2 2 1 2 0 0 3 0 2 0	2 2 1 3 0 0 2 0 1 0	1 1 3 0 0 2 0 1 0	1 1 3 0 0 2 0 2 0	1 1 2 0 0 2 1 4	1 1 2 0 0 1 1 1 1 0	1 1 1 0 0 0 1 1 1 0	1 1 2 0 0 1 1 2 1
31 MEAN	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.8

PERCENTAGE OF DATA VALID - 92.6 PERCENTAGE OF DATA INVALID - 7.4

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. "-" INDICATES DATA IS UNAVAILABLE
 - 3. ******* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONT... 10 MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1977

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

TATION - SE	NO 52020 CHURCHILL	PK NAPIER ST KINGSTON		
MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	28	1.4	5	8
FEB	24	1.5	5	8
MAR	30	0.7	2	8
APR	19	0.3	16	3
MAY	27	0.4	2	10
JUN	29	0.2	3	6
JUL	31	0.4	4	6
AUG	26	3.7	5	10
SEP	26	0.2	4	6
ост	31	0.4	2	3
NGV	30	0.2	3	9
DEC	28	0.8	2	5
YEAR	329	0.8	5	10

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

MONTHLY GROUP	FREQUEN	NCY DISTRI	BUTION FO	R 1977			
POLLUTANT - SUI	PHUR D	OXIDE				UNITS - 0.01	PARTS/MILLION
STATION . SE	NO 520	20 CHL	URCHILL PK	NAPIER ST	KINGSTON		
MONTH OO	TO 04	05 TO 10	11 TO 14	15 TO 25	26 TO 39	40 SOVER	TOTAL
JAN	590	32	0	0	0	0	622
FEB	524	28	0	0	0	0	552
MAR	662	3	0	0	0	0	665
APR	434	0		0	0	0	434
MAY	632	7			0	0	639
JUN	666	4			. 0	0	670
JUL	660	17			О	0	677
AUG	463	163) (0	0	626
SEP	638	8			. 0	o	646
OCT	741	0				0	741
2.7		10) (0	716
NOV	706			,		0	689
DEC	688	1	•	-	, ,	0	7677
YEAR	7404	273	3	,			7.7

30

0.0

0.0

0.0

FREQUENCY DISTRIBUTION BY PERCENTILES
PERCENT
OF DATA
VALID MIN 10

87.6

0

CONCENTRATIONS
FREQUENCY DISTRIBUTION, PERCENT
50 70 90 95

2.2

5.0

ARITH MEAN

0.8

	DO	t market an	ere o	2000																					
					UR DI									UNIT	s · o.	01 PA	RTS/N	ILLIC	N.						
	ST	ATION	- SI	NO.	56051		MEMOR	IAL F	ΔRK	YORK/	THIRD	ST.	COR	NWALL		MON	TH -	JAN	77						
DAY	1	2	3	4	5	6	7	8	9	10	11	12	1	3 14	15	16	17	18	19	20	21	22	23	24	MEAN
1	2	2	3	3	4	3	3	3	3	3	3														
2	2	2	2	3	3	3	3	3	3		2			2 3	4	4	4	4	4	3	3	3	3	2	3
3	1	1	1	1	- 1	1	1	1	1	1	- 1	2		2 1	- 1	1	1	1	. 1	1	1	1	1	1	2
5	1	0	0	0	0	0	0	0			****	5		4 4	4	3	0	0	0	0	0	0	0	0	1
6	5	3	2	2	2	2	2	3	3	4	3	2		2 2	4	6	5	3	5	2	2	3	3	7	2
7	5	B	0	0	0	0	0	0	0	1	2	2			2	2	2	3	3	1.		1	1	1	2
8	8	5	1.1	6	6	6	10	6	7	9	7	4		7	9	8	6	9	7	4	4	6	7	5	2
9	o	0	5	2	1		5	1	1	1	1	1		2 2	2	2	1	1		9	11	1.1	10	5	8
10	o	0	0	0	0	0	1	1	3	1	1	0		0	ō	1	1	o	ò	0	1	0	0	0	2
			U	9.0	U	0	1	0	1	1	2	2	2	2	1	1	1	1	3	5	0	1	0	0	1
1.1	2	3	3	3	2	8	6	3	5	1.1												-	-		
12	2	2	3	2	2	1	2	2	2	2	4	4			2	3	5	4	3	2	2	2	3	2	4
13	3	1	1	1	1	2	î	î	1		4	2			4	6	1	1	2	2	2	5	2	3	2
14	4	4	2	2	3	3	3	3	á			6	5		7	6	3	4	4	3	2	3	3	3	3
15	6	5	5	4	6	6	6	7	5	5	11	5	3		7	8	9	8	7	8	6	7	8	8	6
16	1	2		2	4	O	0	1	1	1	2	2	2		2	2	2	3	-1	1	2	1	1	1	4
17	2	5	3	5	2	2	1	2	2		4	9	4		1	1	1	1	1	0	1	1	0	0	1
18	10	5	2	1	2	1	2	4	4	4	3	2	3		8	7	4	2	1	1	1	2	6	7	4
19	2	2	2	2	1	1	1	2	3	3	2	3	2		3	6	3	5	4	4	5	3	2	3	4
20	0	1	1	1	2	2	2	1	1	1	2	2	2		2		2	1	2	2	2	3	2	1	2
21	2	1	2	1	2	2	3	5	2	2	3										,	,	2	2	1
22	0	1	4	5	3	ī	1	1		1	2	3	4	4	3	5	7	5	3	1	1	1	1	4	3
23	0	1	1	1	1	1	1	1	- 1	2	3	3	2	1 2	3	7	3	3	1	3	2	6	6	2	3
24	1	1	3	2	2	3	2	3	2	****	5	5	3	6	6	2	1	1	2	2	-1	1	1	1	1
25	3	7	7	6	4	5	4	5		****	5	6	5	5	5	3	2	2	2	2	3	3	3	3	3
26 27	3	2	2	2	2	2	2	1	2	2	1	2	4	7	2	2	4	4	4	3	3	2	2	3	4
28	3	1	1	1	1	3	2	2	2	1	2		****	****	4	2	3	2	2	2	1	1	1	1	2
29	3	3	2	1	1	. 1	2	1	1	1	1	3	2	2	2	4	4	6	5	2	2	2	3	3	2
30	- 1	- 2	1	0	1	2	1	2	2	3	3	5	2	- 1	î	1	o			5	- 1	1	2	1	2
00	*	200	1	1	0	0	0	2	0	3	7	В	5	8	6	8	В	9	2	10	3	5	9	8	2
31	8	7	9	7	5	7	5	2	3			-				4	3	3		2.7	7		-	-	5
MEAN	3	3	3	2	2	2	2	2	2	3	3	3	3						3	3	3	4	3	3	5
									-		3	3	3	3	3	4	3	3	3	3	2	3	3	3	2.7
PERCENT NOTES 1										OF DA						PER	CENTA	GE OF	DATA	UNAV	AILAB	LE -	0.7		
			MOTCH	11.5	TUANT	ID DA	TA DUE	E TO	INST	RUMENT	OITA	N FAT	LUDE												

NOTES 1. ****** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. *- INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	P	OLLUT	ANT	- St	JLPI	HUR D	IOXID	Ε							UNITE												
	S	TATIO	N -	SF	NO	5605	1	MENO							UNITS	. 0.	01 PA	RTS/N	ILLLIC)N							
						2003		MEMO	HIAL	PARK	YORK/	THIRD	ST.,	CORN	VALL		MON	TH -	FEB	77							
DAY	. 1	2		3	4	5	6	7	8	9	10	1.1	12	13	14	15	16	17	18	19	20	21	22	22			
1		_																			20	41	22	23	2	MEAN	
2	4	7		6	4	4	2	2	2		3	2	3	6	5	3	5		_								
3	- 1	2		2	1	1	1	3	2		****	2		2	3	3	2	8	5	6	4	3	4	4		1	4
4		- 1	14		1	1	- 1	2	2		2	3	5	5	5	3	4	2	- 1	1	1	1	****	****	1	î .	2
5				1	2	2	1	1	3	****	2	3	3	3	5	4	100	4	4	5	4	5	4	1	- 1		3
6	3	4			• •	****	****		****	****			****	9	6	4	6	6	1	1	1	1	1	0)	2
7	1	7	- 4	4	2	2	2	2	2	2	2	2	2	2	3		- 7		4	3	1	1	1	1	1	****	
8	2	,		1	2	7	12	3	3	4	6	10		4	5	3	3	2	3	4	4	3	2	1)	2
9	2	3			5	5	2	1	2	3	5	5		4	5	4	2	2	3	3	2	3	2	1	- 1		4
10	13	2 6	- 1		2	2	2	2	2		3	4		- 6	-4		5	3	2	2	3	3	3	2	- 2	1	3
10	1.3	0		t	6	4	4	6	6		****	В		B		5	5	5	5	5	5	6	6	17	12		5
1.1	5											~	, 0		0	2	4	4	5	6	4	4	4	4	5		6
12	4	5	5		7	6	5	5	4	6	6	8	7	6	5	. 2									_		-
13	- 7	4	3		2	5	2	2	1	1	1	1			2	4	6	4	4	5	4	2	2	3	5		5
14	0	2	- 2		2	2	2	2	2	3	1				1	1	1	1	1	1	1	3	3	1	1		2
15	****				0	0	0	0	0	1	2			2	1	1	0	0	0	0	0	0	ō	0	0		
16				7.7				****			7	8	5	2	2	1	1	1	1	2	2	1	0	1			
17	2	4	7		8	5	2	0	1	2		3	2	В		3	1	1	2	6	7	6	3	3	2		
18	1	2	2		2	1	1	2	2	3	3	3		9	9	8	2	2	4	6	6			ō	2		
19	2	2	2		1	1	1	2	2	3	3	3	2	3	2	2	2	1	1	1	1	2	2	2	2		4
20	4	3	2		2	2	2	3	3	4	4	4	3	3	3	4	5	3	6	4	3	3	3	2	2		2
20	4	5	- 4		4	4	4	4	3	4	6	9	5	5	5	12	7	4	5	5	5	5	4	5	4		3
										4		9	7	6	5	6	5	5	4	3	3	3	3	3	3		4
21	3	2	2		2	2	2	2	2	2	4	6	- 2	101							9		3	3	3		4
22	2	2	2		2	2	2	2	2	2	2	3	5	4	4	3	4	3	2	4	2	2	2		Y		14.
23	4	4	3		2	3	3	3	2	2	2	3	3	4	4	4	5	5	4	7	5	5	5	4	5		3
24	2	2	2		2	3	3	3	ā	3			4	2	2	2	1	1	1	2	2		2	2			3
25		1	1		2	2	2	2	3	3			4	4	4	3	3	3	1	1	-	- 2	- 2	2	2		2
26	1	- 1	2		2	2	2	2	,		3	2	2	2	2	2	2	2	2	2	2		3	1	- 1		2
27	1	1	2		1	1	1	- 7	- 1	2	2	2	2	3	2	2	2	1	1	1	-		1	1	1		2
28	1	2	2		1	1	2	- 2	2	2	3	2	3	5	3	3	2	2	2	2		- 2	- 1	1	1		2
								-	2	2	2	2	2	2	2	2	2	2	1	-	2	2	2	1	1		2
MEAN	3	3	3		3	3	2	2	2	-	-							-	,		2	2	3	1	1		2
								2	2	3	3	4	4	4	4	4	3	3	3	3	3	3	2	2	2	2.	9
PERCEN	TAGE (OF DAT	A V	ALID		95.0		1.0			-																
NOTES								,	ERCE	NTAGE	OF DA	TA I	NVALI	- 4	. В		PERC	CENTA	GE OF	DATA	UNAV	/AILA	BLE -	0.0			

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. "." INDICATES DATA IS UNAVAILABLE
- 3. ******* INDICATES LEJS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNITS . D. O. PARTS/MILLION

	POL	LUIAN		OLFHU	n Dic	LUC) = 1											
	STA	TION -	- 5E	NO 5	6051	M	EMORIA	AL PA	RK Y	ORK/T	HIRD	ST	CORNWA	ILL		MON 1	TH - N	AR	77						
DAY	1	2	*	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 ME	AN
1 2 3 4	2 1 2 2	2 1 2 1	2 1 2 1	2 2 1 2	2 2 2 2	2 2 2 2 2	2 2 2 2 2	2 2 2 2 2	2 2 2 2	2 2 2	2 2 2	2 2 2 2	2 7 2 2	2 2 2 2	4 2 3 2 2	5 2 3 2 2	2 4 2 2	1 2 7 2	1 2 4 2 2	2 1 5 2	1 4 2 1	2 4 2	1 2 3 2 2	1 2 2 2 2	2 3 2 2
5 7 8 9	2 2 3 1 2	2 3 5 1 2	2 2 6 1 2	1 2 2 1 2	2 2 1 2	2 2 1 2	2 2 1 2	2 2 3 2 2	2 2 4 2 2	3 2 2 2	3 1 2 2	3 1 2 2	2 3 1 2 2	2 5 1 2 2	2 6 1 2 2	2 7 1 2 2	2 8 2 2 2	2 7 2 2 2	2 1 2 2	2 2 2 2 3	2 5 2 1 4	2 5 2 2 4	2 6 1 3 3	2 1 2 2	2 4 2 2 2
11 12 13 14 15 16 17 18 19 20	2 4 1 0 0 0 2 0 0 0	2 4 1 0 0 1 3 0 0 0	2 4 1 0 0 0 1 1 0 0	2 4 1 0 0 0 1 1 1 0	2 4 1 0 0 0 1 1 1 0 0	2 4 1 0 0 0 2 0 1	1 3 0 0 0 0 1 0 0 0	1 4 0 0 0 0 1 0 0 0	2 4 0 0 0 0 0 1 0 0	2 5 1 0 1 1 1	3 5 0 0 3 1 1 0	4 4 0 0 3 1 2 0 1	4 2 1 0 2 1 3 1 3	3 1 1 0 1 1 5 1 3	2 1 0 2 1 5 1 3 2	3 2 0 2 1 5 0 3 2	6 2 0 0 1 - 4 1 5 4	8 3 0 1 0 4 1 9 4	7 2 0 0 1 0 3 1 3 3	5 2 0 0 1 0 6 0 1 4	3 2 0 0 1 1 1 2 0 4	3 0 0 2 1 4 0 0 5	3 2 0 0 2 1 1 0 0 3	3 1 0 0 1 1 1 0 0 2	3 0 0 1 1 3 0
21 22 23 24 25 26 27 28 29	0 2 0 0 0 1 1 0 1	0 0 0 0 1 1 0 1	0 1 0 0 0 1 1 0 1 1	1 0 0 0 0 0 1 1 0 2	4 1 0 0 0 0 1 2 0 2	2200021202	1 0 0 0 7 4 1 0 1	1 0 1 0 2 2 2 0 2	1 1 1 2 2 2 2 2 2 2 2 2 2	2 2 1	2 1 1 1 1 7 3 2 1		0 1 1 2 2 2 5 2 1 2	0 0 2 3 2 3 7 3 2 2	0 0 2 2 2 4 2 3	0 0 1 2 0 3 3 2 2 2	0 0 1 1 0 2 2 1 2 2	0 0 0 1 0 1 2 1 1 2	0 0 0 0 1 2 2 1 2	000012221	0 0 0 0 1 2 1 1 2	0 0 0 0 1 1 1 1 1 1	0 0 0 0 1 1 0 1 1	0 0 0 0 1 2 0 1 1	1 0 1 0 2 2 1 1 2
31 MEAN	1	1	1	1	1	t i	1	1	1	3 2		_	4 2	1	1 2	1	2	1	1 2	••••• 2	5 2	1	1	1	1.6

PERCENTAGE OF DATA VALID - 98.7

PERCENTAGE OF DATA INVALID - 1.2

PERCENTAGE OF DATA UNAVAILABLE - 0.1

- NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE
 - 2. -- INDICATES DATA IS UNAVAILABLE
 - 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

UNITS - 0.01 PARTS/MILLION POLLUTANT - SULPHUR DIOXIDE MEMORIAL PARK YORK/THIRD ST.. CORNWALL MONTH - APR 77 STATION - SE NO 56051 23 16 17 18 19 20 21 22 13 14 8 9 10 11 12 0 3 1 2 3 4 5 6 7 8 9 10 0 1 4 3 9 0 0 0 0 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 0 3 2 0 0 00 13 2 0 12 MEAN

PERCENTAGE OF DATA VALID - 90.6

PERCENTAGE OF DATA INVALID - 9.3

PERCENTAGE OF DATA UNAVAILABLE - 0.1

- 2. .. INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNITS - D OT PARTS/MILLION

	FUL	LUIAN	1 3 3	CLEMU	H DIO	KIDE							-	MILE	- 0.0	DT PAR	₹15/M	LLLION	4						
	STA	TION	- SE	NO 5	6051	M	EMOR	IAL P	ARK Y	ORK/TH	HIRD :	SΤ.,	CORNW	LL		MON	гн - г	ИΔΥ	77						
HOUR DAY	1	2	3	4	5	6	7	8	9	1.0	11	12	13	14	15	16	17	18	19	20	21	22	23	24 MI	EAN
1 2 3 4 5 6 7 8 9	0 0 0 1 1 0 2 1 0	0 0 0 1 1 0 2 1 0	0 0 0 1 1 0 2 1 0	0 0 0 1 1 0 2 1 0	0 1 0 0 1 1 0 2 0 0	0 0 0 1 1 0 2 0 0	0 0 0 1 1 0 2 0 0	1 0 0 1 2 1 0 1 0 0 0 0 0 0 0 0 0 0 0 0	1 0 0 2 2 	1 1 0 3 2 0 1 2 0 2	1 1 0 2 3 1 1 3 0 2	1 1 0 2 2 2 2 2 0 1	1 2 1 2 2 2 2 2 2 2	1 2 1 2 2 3 2 2 0 1	2 2 2 2 2 0 0	1 1 3 2 2 2 2 0 0	1 0 4 0 3 2 2 0 0	00302200	1 1 0 2 2 1 2 2 0 0	1 1 2 2 1 3 1 0 0	0 1 0 1 1 2 1 0 0	0 0 0 1 1 0 2 1 0 0	1 1 0 1 1 0 2 1 0 0	1 1 0 1 1 0 2 0 0 0	1 1 0 1 1 1 2 0 0
11 12 13 14 15 16 17 18 19	0 1 1 0 0 0 3 3 3 3 2	0 1 1 0 0 0 2 3 2 2	0 1 1 0 0 0 3 3 2 2	0 1 0 0 0 0 5 3 2 2	0 1 1 0 0 0 5 2 2 3	0 1 1 0 0 1 4 2 2 2 2	0 2 1 0 0 0 4 2 3 2	0 2 1 0 0 5 3 3 2	1 2 0 0 2 4 2 3	0 2 0 0 0 3 4 2 3 2	1 2 0 1 0 2 4 2 2 3	1 3 0 0 3 3 2 2 3	1 3 0 0 0 3 4 2 3 4	1 3 0 0 1 3 4 3 3 4	1 3 0 0 3 3 4 3 3 3	1 2 0 0 4 4 3 2 3	1 2 0 0 1 4 4 3 3 3	1 2 0 0 1 3 4 3 2 3	0 3 0 0 1 3 3 3 3	2 2 0 0 1 1 3 4 2 3	1 1 0 0 1 1 3 4 2 2	1 1 0 0 0 2 3 3 2 2	1 1 0 0 0 2 3 3 2 2	1 2 0 0 0 2 3 3 2 2	1 2 0 0 0 2 4 3 2 3
21 22 23 24 25 26 27 28 29	2 2 1 1 3 0 0 0 0 0 0 0	2 2 1 0 2 0 0 0 0	2 2 1 0 2 0 0 0 0	2 1 0 2 0 0 0 0 0	2 2 1 0 1 0 0 0 0 0	1 2 1 0 1 0 0 0 0	2 2 1 0 2 0 1 0 0 0	2 2 1 **** 3 0 1 1 1	2 2 1 4 - 0 1 1 0 1	4 1 0 1 1 1 1	3 2 2 5 2 1 0 0 1 2	3 3 3 1 1 0 0	2 3 3 1 1 0 0 1 2	2 3 1 1 0 1 3	2 2 1 4 1 0 1 0 1 5	2 2 3 1 0 1 0 1 4	2 2 4 1 0 1 0 1 1	3 2 1 4 1 0 0	3 2 1 3 1 1 0 1	2 3 1 3 1 1 0 0	2 2 0 3 0 1 0 0 0 1	2 2 0 2 0 2 1 0 0 1	2 2 0 2 1 2 0 0 0	2 2 1 3 0 1 0 0 0 0	2 2 1 2 1 1 1 0 0 1
31 MEAN	0	0	0	0	0	1	1	1	1	0 1	2	1	1	2	3 2	3 2	3	1	1	1	1	1	1	1	1 . 2

PERCENTAGE OF DATA VALID - 98.8 PERCENTAGE OF DATA INVALID - 1.1 PERCENTAGE OF DATA UNAVAILABLE - 0.1

NOTES 1. ****** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. *- INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEJS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

		POL	LUTANT	- 5	ULPH	UR DIO	XIDE							ı	JNITS	- 0.0	1 PAR	TS/M	LLION	i						
		STA	TION -	SE	NO.	56051	N	MEMOR	IAL	PARK Y	ORK/TH	IRD	ςτ.,	CORNW	LL		MONT	н - ,	JUN	77						
	OUR AY	Ĭ.	2	3	4	5	6	7	В	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
	1 2 3 3 4 5 5 6 6 7 7 8 9 9	3 0 3 0 0 0 2 0	1 1 4 0 2 0 0 1 2 0	1 1 5 0 2 0 0 0	1 7 0 1 0 0 0	1 6 0 2 0 0 0	1 6 0 2 0 0 0 0 0	1 1 6 1 1 0 0 0 0	1 1 1 1 1 1 0 0 0 0 0	1 1 2 1 2 1 1 0 0 0 0 0 0	1 1 1 2 1 0 0 1 1	1 1 0 2 1 0 0 0 1 0	1 1 4 1 0 1 0	1 2 0 5 1 0 0	1 0 3 1 0 0 0 0 0	1 0 3 1 0 0 0 0 0	1 1 0 3 1 0 0 2	1 1 0 1 1 0 1 6 0 0	1 0 1 1 0 4 3 0	1 0 0 2 1 0 3 5 0 0	1 0 0 1 1 0 0 5 0 0	1002000300	1 0 0 2 0 0 0 6 0 0	1 0 0 2 0 0 0 0 0 0	1 1 0 3 0 0 0 1	1 1 2 2 1 0 0 1
111111111111111111111111111111111111111	2 3 4 5 6 7 8	0 0 0 0 0 1 0 1 2	0 0 0 0 0 1 1 1 2	0 0 0 0 1 1 1 0 1	0 0 0 0 1 1 0 0 1	0 0 0 0 0 1 0 0 1	0 0 0 0 0 1	0 0 0 0 0 1 0 1 0	0 0 0 3 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 1 4	0 0 1 2 0 	0 0 1 1 0 4 3	0 0 2 1 0 1 1 0 3 3 3	0 2 1 0 2 3 1 2 3	0 0 2 1 0 6 3 1 3 4	0021034125	1 0 2 0 0 3 3 0 2 2	1 0 2 0 0 5 3 0 2 1	1 0 2 1 0 4 2 1 2 1	0 0 2 1 0 2 4 1 2 1	0 0 2 1 0 1 3 1 2 1	0 0 0 0 1 1 1 2 1	0 0 0 0 1 1 1 2 1	0 0 0 0 1 1 0 2 1	0 0 0 0 0 1 1 1 0	0 0 1 1 0 2 2 1 2 2 2
2: 2: 2: 2: 2: 2: 2: 3:	2 3 4 5 6 7 8	0 0 0 3 2 2 1 1 2	0 0 0 3 1 1 1 1 2	1 0 0 0 3 1 1 1 1 1 1	1 0 0 0 3 1 1 1 1	0 0 0 3 1 1 1 1 1 1	2 1 0 0 3 1 1 1 1 1 1	1 0 1 1 1 1 1	0 0 2 0 4 1 1 1 1 1 1	0 0 3 1 4 1 2 1 1 1 1	0 1 3 3 4 1 2 2 1 2	0 1 1 3 5 2 2 2 2 2	1 0 1 7 5 2 3 2 2 2	1 1 2 11 4 3 3 2 3	1 3 14 12 3 13 2 3	1 0 3 5 4 13 3 3	1 0 3 4 4 8 10 3 3	1 1 2 6 3 6 7 2 2 2	1 1 5 5 3 5 4 2 3 2	1 1 4 4 2 4 2 2 3 3 2	1 0 2 3 2 4 3 2 2 2	101325222	0 0 1 4 2 5 2 2 2 2	001322222	0 0 3 2 2 2 1 2 1	1 0 2 3 4 3 3 2 2 2
ME	ΔN	1	1	1	1		1	1.	1	1	1:	1	2	2	3	2	2	2	2	2	1	1	1	1	1	1.3

PERCENTAGE OF DATA VALID - 99.2 PERCENTAGE OF DATA INVALID - 0.7 PERCENTAGE OF DATA UNAVAILABLE - 0.1

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNITS - 0.01 PARTS/MILLION

					. 84.5	v 1 DE							L	NITS	0.0	1 PAR	TS/MI	LLION	N						
	POL	LUTAN			H DIU	XIUE			Table Nie	DH / Th	ton c	т. :	CORNWA	ill.		MONT	н	JUL	77						
	STA	MOITA	SE	NO 5	6051	M	EMOR1	AL PA	RK YC	RK/TH	140.2						17	18	19	20	21	22	23	24 M	EAN
HOUR	1	2	3	4	5	6	7	8	9	10	1.1	12	13	14	15	16	1.6	10		2.0					
DAY																		2	2	2	2	1	1	1	1
	-	41		1	1	1	2	1	1	2	1	2	2	2	1	1	2	1	1	0	0	0	0	0	1
1		- 10	1		1	1	1	1	1	2	- 1	1	- 1		4	- 4	1	1	1	2	2	2	2		
2		1	- 6	o	o	0	0	0	1	1	1		- 1	1		5	4	26	3	2	1	1	1	1	2
3	0	0	0		1	1	1	1	î	1	1	1	1	4	6		ō	o	ő	ō	0	0	0	C	1
4	1	1	1	1	1		- 1	4	- 1	1		1	1	0	0	0						****		**** *	
5	1	1	1	1.	1	1	Ď			1	1	1	1		1	- 1		****	* * * * * *						
6	0	0	0	0	0	0	U	U		,		-	DATA	INVAL	D -				100	-			4	1.5	
7											2	2	2	2	2	3	3	2	2	2	1	1	o	o	1
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		2	1	1	1	1	1	1	1	2	4	2	- ú	- 2	- 2	2	2	2	2	1	1	1	- 1		
9	2	õ	Ó	0	0	0	0	0	0	1	- 1	1	- 1	3.	3.		_								
10	0	0	U	U		-									1.2		2	2	3	14	1	1	1	. 1	3
						~	0	1	2	3	4	2	2	1	1	2		ō		0	0	0	0	0	0
1.1	0	0	0	0	0	0		1		4	1	1	0	0	0	0	0			Ö	0	0	0	0	1
12	1.	1	1	1	1	- 1	1	- 1	200	- 4	1	1	1	1	- 1	1	1	1		Q.	1	1	1	0	- 1
13	0	0	0	0	0	1	1	1		- 2	5	2	2	2	2	2	2	3				1	1	1	1
14	0	0	0	0	0	0	0	0	0	1	2	3		3	3	2	1	1		- 1	1		ò	ò	i
15	1	1	0	0	1	1	1	****	****	2	2		1	7	4	1	- 4	0	0	0		0		0	- 4
		1	1	1	1	0	0	1	1	3	3	1	1	1	- 0		1	1	1	1		1	0		- 1
16	1			Ö	ì	o	0	0	0	1	1	1			1	- :	2			0	0	0	0	0	2
17	0	0	0		ò	0	0	0	1	1	1	1.	2	3	2	1	5	2	2			2		2	2
18	0	0	0	0			2	3	3	3	3	3		3	3	3	- 2	2					2	3	2
19		1	1	2	2	1	3	2		2	2	2	2	2	2	****		2		- 2	-	-			
20	2	2	2	2	2	2	3	2		•	_									_		0	0	0	1
20								-		1	1	1	- Y	1	1	1	1	- 3		0					0
21	3	3	3	2	2	3	2	2	1		0	Ċ		0	0	0	0	0	0		0	****			
22	ő		0	0	0	0	0	0		0	0	1	2		1			****	****	****	****	-0.20	20.00		
	0	- 5	0	0	0	0	1	2		2	- 1	0.0			****			****	****	3				-	2
23							****	****	****	****	****	****				0	0) () () () (ō
24	14.14		4 - 4	3	3	4	4	3	8	6	4	2		****	0) 0			
25	3		3			ō	0	0			O		0		0				5 0						
26	0			0		0	1	3			1			1	0					1 6		0			
27	0	0	1	- 1	0		- 1	1		0	0			****	****			* .				0		1	0
28	0		1	1	1	1	- 1			- 2	ō	- 11) (0	1	- 1				0 1				0	0
29	0		0	. 0	0	0				,	2			D	0) (0 (0 (0 (, ,			
30	1		ō		0	0	0	1	1	1	2													1 0	0
30														0			1	0	0	0 (0 1	0 0)		
- 4	- 12			0	0	0	0		0	1	0		0 (, ,		,								2 2	0.0
31	C) 0	0											10	-			1	1	1	1	1	1	1 1	0.9
				_		1	- 9			1	1		1	1 1							-				
MEAN	1	1	1	1	1	-1																			
																						ADIE	. 0	. 0	

PERCENTAGE OF DATA VALID - 88.8 PERCENTAGE OF DATA INVALID - 11.2

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. "**** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

3. ******* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	0011	UTANT		III DUITE	R DIOX	IDE							L	NITS	- 0.0	1 PAR	TS/M]	LLION	4							
										20V /TL	aron.	e T	CORNWA	ST.E.		MONT	н - 4	UG	77							
	STAT	ION -	SE	NO 56	5051		MEMORI	AL P	ARK TO	JKK/ IT	TIKU	51				200		18	19	20	21	22	23	24	MEAN	
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	1000				0	0	0		0
1 2 3 4 5 6 7 8 9 10	1 0 0 0 1 1 1 1 2 1 1 1 1 1 1 1 1 1 1 1	2 0 0 0 1 1 1 1 3 4 1 1 1 1 1 1	2 0 0 0 1 3 1 3 3 1 1 2 1	0 2 0 0 1 2 0 1 8 1	0 0 0 0 1 1 0 1 9 1 1 2 1	0 0 0 0 1 1 0 1 1 1 5 1	0 1 0 0 2 0 1 11 0	0 0 1 0 3 3 3 3 3 4 4 4 4 4 4 4 4 4 4 4 4 4 4	0 1 0 0 1 0 5 5 1 2 2 0	00050211	0 0 0 1 0 5 1 4 0 1	0 0 1 1 0 6 2 6 4 1	0 0 2 2 0 7 4 5 5 5 1 1 3 1 1	0 0 1 1 1 3 1 6 1 0	0 1 0 1 1 4 2 3 1 0	0 0 1 1 3 5 2 1 2 0 5 2 1 3	0 0 0 1 1 1 2 1 3 0 3 3 1 0	0 1 0 1 1 2 2 1 2 0 1 2 2 0	0 0 0 1 1 2 2 1 3 0 1 2 2 1	0 0 1 1 2 4 3 1 3 0 1 1 2 0	1010222320	0 0 1 1 1 2 4 1 1 1 1 1 1 1 1	0 1 1 0 2 4 1 1 1 1 1 1 1 1	0 1 1 1 2 8 1 1 1 2 1 1 1 1 2 1 1 1 1 1 1		0 0 1 1 3 2 2 3 4 1 2 2 1 1
14 15 16 17 18 19 20	2 1 0 1 1 1	1 0 1 2 2	1 0 1 2 2	1 2 0 1 2 1	1 0 1 3	1 0 1 3 0	1 0 0 3 1	1 1 0 4 1	1 0 4	1 1 8	2 1 1 9	5 1 1 8	-	10 1 3 7 INVAL	6 6 6	1 1 3 3	0 1 5 3	2 1 2	6	0 1 1 8	1 1 3 8	0 1 7 5	0 1 2 2	0 1 2 3	****	2 1 2 5
21 22 23 24 25 26 27 28 29 30												-	DATA DATA DATA DATA DATA DATA DATA DATA	INVAL	ID - ID - ID - ID - ID - ID - ID -											
31								,		2		2	2 3	2	3	2	1	1		2	2	2	1	E - 3	2 1	.6
MEAN	1	1	1	3.	1	1	1	1	1	-														200		

PERCENTAGE OF DATA VALID - 57.7

PERCENTAGE OF DATA INVALID - 41.1

PERCENTAGE OF DATA UNAVAILABLE - 1.2

NOTES 1. ****** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

3. ****** INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - SULPHUR DIOXIDE UNITS - 0.01 PARTS/MILLION

		C L L I MITT	200	10011 0	·UNIDE								DIATIO	0.	0.1	481371	SILLIA	EPN.						
	ST	ATION -	SE N	5605	t	MEMOR	RIAL	PARK '	rork/1	HIRD	ST.,	CORN	WALL		MON	HTH -	SEP	7.7						
DAY	1	2	3	4 5	6	7	8	9	10	1.1	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1 2 3 4 5 6 7 8 9												DATA DATA DATA DATA DATA DATA DATA	INVALII	0 -										
11 12 13 14 15 16 17 18 19	0 1 0 0	0 1 1 1 0	1 2	0 0 1 1 2 1 0 1	0 1 1 0 0	0 1 1 0	0 1 2 0 0	**** 1 1 2 ****	1 1 2	**** 2 1 1 0 0		DATA	1	0 -	0 1 1 2 0	0 1 1 0 0	0 1 1 0 0 0	0 1 1 0	0 1 1 0 0 0	0 1 1 0	0 1 1 0	0 1 2 0 0 0	0 1 2 0 0 0	1 1 1 0
21 22 23 24 25 26 27 28 29 30	0 0 0 0 1 0 0 1	0 0 4 0 0 0 0 2	0 0 1 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 1 1	0 1 0 0 0 1 1 1 2	0 1 1 0 0 0 0 0 0 1 1 1 1	0 1 **** 1 0 0 2 1	0 1 1 2 2 0 2 1	0 1 2 1 1 0 2 1	0 1 2 1 1 0 1 1 1 2 - DA	0 1 1 0 2 0 0 0 1 2	0 0 2 0 0 1	0 1 0 4 0 0 1 2 BLE	0 1 0 0 3 0 1 0 2	0 1 0 1 0 2	000000000000000000000000000000000000000	0 0 0 1 0 1 2 0 2	000301202	0004000102	0 0 0 0 0 0 2	00000002	000000000000000000000000000000000000000	0 0 0 1 1 0 1 0 2
MEAN	0	1	0	1 0	0	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	0	0	0	0.6

PERCENTAGE OF DATA VALID - 46.4 PERCENTAGE OF DATA INVALID - 50.1

PERCENTAGE OF DATA UNAVAILABLE - 3.5

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. *- INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POL	LUTANT	- S	ULPHI	UR DIOX	KIDE	E							UNIT	s - o.	01 P	ARTS/	MILLIC)N						
	STA	TION -	SE	NO !	56051		MEMOR	IAL	PARK	YORK/	THIRD	ST.,	CORNW	ALL		MOI	NTH -	ост	77						
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1 2 3 4 5 6 7 8 9	0 0 0 1 1 0 0	0 0 0 1 1 0 1 0 1	0 0 0 0 1 0 1	0 0 0 0 0 2 0 1 0 1	0 0 0 0 0 0 0 1 0 1	0000000000	000000000000000000000000000000000000000	0 0 0 1 0 2 0 0 0	0	0 0 0 3 1 0 2 1	0 0 0 0 1 1 0 2 0 6	0 0 0 2 1 0 2 0 7	0 0 0 2 1 0 1 0 7	0 0 0 0 2 1 0 1 0 1 0 1 0	0 0 0 0 2 1 0 1 0 6	0 0 0 0 2 1 0 1 0 3	0 0 0 0 0 0 0	0	0 0 0 1 1 1 0 1 0 2	0 0 1 1 0 0 1 0 5	0 0 3 3 0 0 1 0 2	0 0 0 2 1 0 0 1 0 2	0 0 1 1 0 1	0 0 0 1 1 0 1 1 0 1	0 0 0 1 1 1 0 0 3
11 12 13 14 15 16 17 18 19 20	1 7 1 0 0 0 6 1	0 1 5 1 0 0 6 1	0 0 0 1 0 0 0 1 0	0 0 1 1 0 0 0 1 0	0 0 0 0 0 0 0 1 0	0 0 0 1 0 0 1 1 0	0 0 0 1 0 3 0 1 1 0	0 0 0 1 0 0 1 1 0 0 0	0 0 0 1 0 1 1 0 0	0 2 1 0 2	2 0 0 2 0 0 0 2 1 0	1 0 0 1 0 0 0 1 2 0	1 0 5 2 0 0 0 1 2 0	1 0 4 2 0 0 0 1 1	0 0 1 1 1 0 0 4 1 0	0 0 1 1 1 1 1	0 2 1 1 0 0 0 0 1	0 0 1 0 0 0 0 1 1 0 0 0 0 0 0 0 0 0 0 0	0 2 1 0 0 0 0 0 0 2	0 2 1 0 1 0 0 3 1 0	0 2 1 0 1 0 5 3 1 2	0 1 1 0 1 2 2 0 1	0 3 1 0 0 0 1 2 2 0 1	2 2 1 1 0 0 12 1 0 2	0 1 1 1 0 0 2 2 1 1 1
21 22 23 24 25 26 27 28 29 30	2 2 0 1 5 2 2 2 3	0 1 0 2 6 2 2 2 2 3	3 0 0 1 4 2 3 2 2 3	3 1 5 1 3 2 3 2 1 3	3 1 3 3 2 3 4 2 2 3	2242224222	1 2 3 2 2 2 3 2 2 3	1 1 3 3 3 2 1 2 1 3	0 0 1 2 3 2 2 1 4 3	1 1 3 2	1 3 3 2 2 1 3	1 3 3 3 2 1 3	2 **** 1 6 7 2 5 1	2 **** 1 5 6 3 4 1 2 2	1 5 11 3 4 1 2	2 1 4 7 2 5 1 2	2 1 2 4 3 3 1 2 2	1 2 2 3 2 1 2 2	1 2 3 4 2 1 3	3 3 3 3 2 1 3 3	2 0 2 3 3 2 5 1 3 2	1 0 2 3 2 3 4 1 3 2	2 0 1 4 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	2 0 1 4 2 2 2 2 3 2	2 3 4 2 3 1 2 2
31 MEAN	1	1	1	1	1	1	1	3	3	3	3	1	6	2	1 2	2	2	2	3	2	2	1	1	1 2	1.3
														_	_						*				

PERCENTAGE OF DATA VALID - 97.2 PERCENTAGE OF DATA INVALID - 2.8

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. "-" INDICATES DATA IS UNAVAILABLE
 - 3. ****** INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

	STA	TION	· 58	NO S	6051		MEMOR I	AL PA	RK Y	ORK/T	HIRD	ST.,	CORNWI	A L L		MONT	TH - 1	VOV	77						
HOUR DAY	1	2	3	4	5	6	7	В	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 MI	EAN
1 2 3 4 5 6 7 8 9	1 0 0 0 1 4 0 0 3	000000000000000000000000000000000000000	1 1 0 1 0 1 5 0 1	1 2 9 2 0 1 5 0 0 1	1 2 0 1 0 2 2 0 1	1 2 0 1 1 1 0 0	1 2 0 1 0 2 1 0 0 1	1 2 0 1 0 1 1 0	1 2 0 1 0 1 1 0 1 4	1 2 0 0 0 1 1 1 2	0 0 1 1 1 1	2 4 0 0 0 1 1 0 1 0	1 1 4 1 0 1 1 0 3 0	1 1 0 0 1 1 0 0 1 0	3 2 1 0 1 1 0 1 0 0	1 4 1 0 1 1 1 0 0 0	1 2 1 0 2 1 1 0 0 0	2 1 0 2 1 0 0 1 1	1 1 0 2 1 0 0 1 2	1 1 0 1 1 0 0 1 1 1	1 0 1 1 0 0 2 1	1 0 1 0 1 2 0 0 2 2	1 0 0 0 1 2 0 0 3 0	1 0 0 1 4 0 1 3	1 2 1 0 1 1 0 1 1
11 12 13 14 15 16 17 18 19	6 1 1 0 2 1 2 3 2 1	2 1 0 2 1 1 1 2 3	1 1 1 1 2 1 1 2 3 2	0 1 1 1 2 1 4 3 1	0 1 1 1 2 1 3 3	0 1 1 1 1 2 1 2 3	0 1 1 2 3 1 3 5 1	0 2 0 1 2 2 1 2 7	0 7 0 1 2 3 1 3 7	0 2 0 2 5 1 4 4	1 3 0 1 2 6 2 4 5	4 1 0 2 2 6 3 5 3 0	2 1 0 2 2 4 4 3 4	1 1 0 2 2 4 4 4 5 1	1 0 4 3 2 7	1 1 0 3 3 2 1 1 3 1	1 0 2 3 3 5 2 2 1	1 1 0 2 4 1 2 3 2 1	1 1 2 3 1 2 3 2 1	1 1 1 2 2 2 3 6 2	1 1 0 3 2 1 2 2 2 2	1 1 0 3 2 1 3 2 2 1	3 2 1 3 2 2 1	1 1 4 2 1 3 2 2 1	1 1 0 2 2 2 2 3 3 3 1
21 22 23 24 25 26 27 28 29 30	1 2 0 0 2 0 1 3 4 2	1 0 0 4 0 2 3 4 2	1 0 1 0 2 1 6 1	1 0 1 4 0 1 1 1 6 2	1 1 6 0 0 1 1 7 2	1 3 1 2 0 0 1 1 7 2	1 2 1 2 0 0 1 1 7 1	0 1 0 4 0 0 1 3 6 2	0 0 0 2 0 0 2 4 4 2 2	000020003	0000003445	0 0 1 0 0 3 3 3 4 2	0 0 0 0 0 0 0 2 4 3 3 3	1 0 0 0 0 2 4 3 3	0 1 0 0 3 3 4 3	0 0 0 0 2 1 3 4 3	0 0 0 0 0 2 1 3 3 3	0 0 0 1 0 0 1 3 4 3	4 1 0 1 1 2 3 3	10 0 0 0 1 0 1 4 4 4 4 4 4	2 0 0 1 0 0 1 4 4 4 4 4	5 0 0 1 0 1 2 3 3 4	1 1 0 0 0 1 3 4 3 6	0 1 0 1 3 3 3 1	1 1 0 1 0 0 2 3 4 3
		14					30	15	•	- *	-		-		-	1.0	1.2			4	310	9.0			1.0

PERCENTAGE OF DATA VALID - 99.2 PERCENTAGE OF DATA INVALID - 0.8

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. ****** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEJS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	PO	LLUT	ANT -	SULP	HUR D	IOXID	Ε							UNITS	s - o.	01 PA	RTS/M	ILLIO	IN						
	S	TATIO	N -	SE NO	5605	1	MEMO	RIAL	PARK	YORK/	THIRD	ST	CORNW	ALL		MON	тн -	DEC	77						
DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	3	1	0		0		0		٥	0	0	0	0	0	1	1	0	1	6	6	5	8	8	5	2
2	9	6		5	3			5	4	8	5	5	5	6	7	7	7	6	5	9	5	5	5	2	- 5
3	6	2		4	4		4	4	4	4	4			3	2	3	3	3	2	3	3	3	4	2	3
2	2			9	4		3		4	3	2	2	2	1	1	1	1	1	1	4	2	2	3	2	3
2	2	2		2	2		2		2	••••	1	2	1	1	2	2	2	2	2	2	2	2	2	2	2
2	- 2	2	2	- 2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	2
6	48	22	11	10	3	3	20	- 1	- 1	1	1	3	2	2	3	3	6	5	5	5	12	15	9	13	4
	70	22	' '	2	2	200	20		14	2	2	2	3	3	2	1	1	2	2	2	2	2	3	2	7
10		****										****		****	••••	****			••••				• • • •		
						,,			7775	2.572	1	'	4	3	10	7	6	8	10	3	1	1	2	12	*****
1.1	10	7	7	5	4		4	2	3	4	7	10	5	4	3	3	2	4	2	3	4	5	5	3	5
12	2	3		6	5	8	3		1	****			1	1	1	î	2	2	2	2	4	4	4	4	3
13	5	5	6	6	6		4	5	5	3	5	5	6	6	5	3	2		- 2	3	3	3	- 5	5	ă
1.4	5	4	4	3	3		4	4	3	3	4	3	3	3	2	2	2	2	2	2	2	2	5 2	2	3
15	1	- 1	2	2	2		2	2	2	1	1	2	3	3	4	4	10	3	3	3	4	3	2	3	3
16 17	4	4	6	5	5		4	3	3	5	5	4	2	4	2	3	2	2	2	2	2	2	1	1	3
18	2	- 1	1	1	1	2	2	3	3	3	4	3	1	1	0	0	0	0	0	1	2	3	2	î	2
19	2	2	2	2	2	2	3	3	3	2	1.	2	1	1	1		1	1	1	2	1	1	1	1	2
20	13	1	1	1	1	1	2	2	2	2	2	2	2	2			0	0	0	0	13	13	13	13	3
20	13	13	13	13	13	13	13	13	13	13	13	13	0	0	0	0	٥	1	2	0	6	3	1	0	7
21	0	0	0		0		٥	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	-1	0	0
22	1	0	1	3	1		0		0	0	,	1	0	0	0	0	0	2	3	1	0	0	1	2	1
24	3	1	0	0	0		0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	2	2	0
25	- 1	ò	0	0	0		0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26		·	٠	,	1	1	0	0	2	3		3	2	2	3	2	3	1	2	4	1	3	1	2	2
27	10	3		4	2	2		3	3	1	2	2	0	3	3	2	2	0	3	2	1	0	- 1	3	2
28	0	1		7	- 1	1	- 1	2	1	2	2	2	0	1	1	- 1	0	0	0	0	0	٥	0	0	1
29	ŏ	ò	ò	ò	ò		2			4		2	2	2	2	2	1	1	1	0	0	0	0	0	1
30	ō	1	ĭ	1	ő	ő	ő	1	3	1	0	1	1	4	5 2	3	0	2	2	2	2	2	1	3	2
31	0	1	1	2	2	1	,	0	0	0	2	3	2		1	1	1	1	1			-			
MEAN								-	_	-			_			-			31	1	1	1	2	2	1
MEAN	5	3	3	3	2	2	3	2	3	3	3	3	2	2	2	2	2	2	2	2	3	3	3	3	2.6

PERCENTAGE OF DATA VALID - 95.2 PERCENTAGE OF DATA INVALID - 4.7

PERCENTAGE OF DATA UNAVAILABLE . 0.1

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEJS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1977

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - SE NO 56051 MEMORIAL PARK Y	ORK/THIRD ST., CORNWALL
---------------------------------------	-------------------------

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	2.7	8	1.1
FEB	26	2.9	6	17
MAR	31	1.6	4	12
APR	27	1.8	7	25
MAY	31	1.2	4	5
JUN	30	1.3	4	14
JUL	26	0.9	2	8
AUG	18	1.6	5	15
SEP	14	0.6	2	4
OCT	30	1.3	4	12
NOV	30	1.5	4	10
DEC	29	2.6	7	48
YEAR	323	1.7	8	48
			=	40

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1977

· · · · · · · · · · · · · · · · · · ·	ner anoc	IL LUEGUEIAC	T DISTRIBUT	TON FOR T	9//				
POLLU	JTANT - S	SULPHUR DIC	OXIDE			UN	ITS - 0.0	D1 PARTS/MILLION	4
STAT	ION - S	E NO 56051	MEMORI	AL PARK Y	ORK/THIRD ST	CORNWA	LL		
	MONTH C	00 TO 04 C	05 TO 10 11	TO 14 1	5 TO 25 26	TO 39 40	&OVER	TOTAL	
	JAN	592	128	5	0	0	0	725	
	FEB	519	116	4	1	0	0	649	
	MAR	698	35	1	0	0	0	734	
	APR	606	37	6	3	0	0	652	
	MAY	730	5	0	0	0	0	735	
	JUN	681	28	5	0	٥	0	714	
	JUL	656	5	0	0	0	0	661	
	AUG	393	32	3	1	0	0	429	
	SEP	334	0	0	0	0	0	334	
	OCT	693	26	4	0	0	0	723	
	NOV	687	27	0	0	0	0	714	
	DEC	605	78	21	3	0	1	708	
	YEAR	7194	517	49	8	0	1	7769	

F	REQUENCY	DISTRIBUT	ION BY	PERCENTILES									
		DERCENT OF DATA				FREQUENCY		TRATIONS					
		VALID	MIN	10	30	50	70	90	95	98	99	MAX	AR I TH ME AN
		88.7	0	0.0	0.1	0.8	1.6	3.5	4.8	6.9	9.1	48	1.7

MINISTRY OF THE ENVIRONMENT . AIR RESOURCES BRANCH

UNITS - 0.01 PARTS/MILLION POLLUTANT - SULPHUR I DE. CITY HALL SOO GEORGE ST. PETERBOROUGH MONTH - JAN 77 STATION - C NO 59006 16 17 18 19 20 21 22 7 8 9 10 11 12 HOUR 6 4 3 3 0 0 1 1 0002 8 9 10 0 220 2 ò Ó 0 0 0 3 2 7 3 0 0 0 11 12 13 14 15 16 17 18 19 20 3262 ò ò 3 - DATA INVALID -- DATA INVALID - DATA INVALID - DATA INVALID - DATA INVALID -21 22 23 24 25 26 27 28 DATA INVALID DATA INVALID DATA INVALID DATA INVALID DATA INVALID 29 30 - DATA INVALID -- DATA INVALID -31 2 1 1 1 2.0 2 2 MEAN 2

PERCENTAGE OF DATA VALID - 43.5

PERCENTAGE OF DATA INVALID - 56.5

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- *- INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

UNITS - 0.01 PARTS/MILLION POLLUTANT - SULPHUR DIOXIDE CITY HALL 500 GEORGE ST. PETERBOROUGH MONTH - FEB 77 STATION - C NO 59006 16 17 18 19 20 21 22 23 10 11 12 13 14 15 HOUR DAY DATA INVALID 0 2 0 0 0 00 3 5 0 0 6 6 3000 50001 000 0 0 1 1 2 9 0 5 4 3 3 1 0 0 1 0 3 0 2 2 4 2 1 11 12 13 14 15 16 17 18 2 2 200002134 000010302 0 000203 0 0 2 20022 0 0 1 2 0 2 0 0 0 5 1 2 0 3 0 2 0432 8 3 2 1 2 5 2 20 0 3 0 0 0 0 2 3 0 2 2 4 1 2 1 21 22 23 24 25 26 27 3 0 3000021 0000 0 0 1 000 o 0 0 0 0 000 000 :::: ...<u>°</u> 1 2 00 0 0 0 ò o o 2 2 **** 1.5 2 2 1 1 MEAN 2 2 2

PERCENTAGE OF DATA VALID - 86.6

PERCENTAGE OF DATA INVALID - 13.4

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. *- INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNITS - 0.01 PARTS/MILLION

	STA	TION -	C	NO 5	59006		CITY	HALL	500 G	EORGE	ST.	PETER	BOROUG	эн		MONT	H - N	AR	77							
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	0	0	0	1	1	4	1.	1	0	0			0		-	-	12									
2	0	0	1	ó	o	4	1	1	1	1	-	****	0	0	0	0	0	0	0	0	0	0	0	0		0
3	0	0	D	0	1	1	2	2		- 1			o	0	0	0	0	0	0	1	1	1		****		0
4	1	0	0	0	0	0	ō	1	- 1	- 1	-		0	0	0	1	0	0	0	1	1	0	-	****		1
5	1	1	0	0	0	o	1	- 1	- 1				ő	o	0	0	0	0	0	0	1	1		****		0
6	0	0	0	0	0	a	Ó	ó	ó	o			0	o	0	0	o	0	0	0	0	0	_	****		0
7	0	0	0	0	0	0	1	1	1	0			o	ő	0	1	1	1	0	0	0	0	-	* + + *		0
8	0	0	†	1	2	2	2	2	2	1			2	1	2	,	1	- 1	3	3	4	1		****		1
9	3	3	2	3	3	3	3	3	3	3		****	2	2	2	2	2	2	1	1	2	2	-	****		1
10	0	1	1	1	2	3	2	3	3	3			1	î	-	2	3	3	3	4	1	1		****		2
										-	-					*	3	3	3	4	4	3	3	****		2
1.1	2	2	2	2	2	1	1	1	2	2	1		0	1	14	1	1	2	2	2	2	3	2			2
12	0	0	0	0	0	1	1	1	1	1	1		0	0	o	1	1	1	1	1	1	1	-	****		1
13	0	0	0	0	0	0	0	0	0	0	0	****	0	1	0	1	0	ó		- 1	1	2				0
1.4	1	1	1	1	0	1	0	0	0	0	0	****	0	0	0	0	0	1	- 9	ó	ò	ő		****		0
15	0	0	0	0	1	0	0	- 1	1	1	0	****	0	0	0	1	1	0	o	o	0	o .				ő
16	0	0	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	ő	o	0		****		ŏ
17	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	1	1	ŏ	o	Ö				ŏ
19	0	0	0	0	0	0	0	0	0	0	-	****	0	0	0	0	0	0	0	ō	o	0	-	****		ŏ
20	1	0	0	0	0	0	0	0	0	0		****	0	0	0	0	0	0	0	0	1	1		****		ō
20	- 1	1	2	0	0	1	1	1	1	1	0	****	0	0	0	0	0	0	0	0	0	0	0	****		0
21	0	0	0	0	0	0	0		1	0	0		0	0	0	0	0	0	0	0	0	0				
22	0	0	0	0	0	0	0	0	0	0	0		0	0	o	0	ō	o	o	ő	0	o				0
23	0	0	0	0	0	0	0	0	0	0	0	****	0	0	o	0	1	0	o	o	o	o				0
24	0	1	1	0	0	0	0	0	0	0	0		0	0	ō	0	0	o	0	o	0	ő				0
25 26	0	0	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	ő	ő	o	0				o
	0	0	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	1	1	1	1	-			0
27 28	1	2	2	3	3	2	2	1	1	1	1		0	0	0	0	0	0	0	o	o	ó				1
29	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0	0	ŏ	o	o	(7)			ò
30	0	0	0	0	0	0	1		1	1	- 2	****	0	0	1	1	1	1	1	o	o	o				o
30	0	0	0	0	3	4	1	1	1	1	1	****	1	1	0	0	0	0	0	ő	o	o	-			0
31	0	0	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	1	0	0	0			0
MEAN	0	0	0	0.	1	1	1	1	1	1	0	• • • •	0	0	0	0	0	0	1	1	1.	1	0	0	0.5	5

PERCENTAGE OF DATA VALID - 91.8 PERCENTAGE OF DATA INVALID - 8.2

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POL	LUTANT	- s	ULPH	UR DIO	XIDE							Į.	UNITS	- 0.	01 PAF	RTS/M	ILLIO	N						
	STA	TION -	C	NO	59006		CITY	HALL	500	GEORGE	ST.	PETER	BOROUG	ан		MONT	тн - ,	APR	77						
DAY	1	2	3	4	5	6	7	В	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1 2 3 4 5 6 7 8	00000000	00000000	000000000	0000000	000000000000000000000000000000000000000	0 0 0 0 0 1 0 0	0000000	00000000	0	0 0 0 0 0 0 0 0	0 0 1 0 1 0	::::	0 0 0 0 0 0 0 0	000000000000000000000000000000000000000	0 0 0 0 0 0 0	00000000	00000000	0 0 0 0 0 0 1 0	0 0 0 0 0 1 0 0	0 0 0 0 1 0 0	000000100	0 0 0 0 0 1 0 0	00000		00000000
10 11 12 13 14 15 16 17 18 19 20	0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 0 0 0 0 0 0 0 1 1 0	1 0 0 0 0 0 0 1 1 0	1 0 0 0 0 0 1 1 1 1 1 0 0	2 1 0 0 0 1 0 1 1 1 0	1 0 0 0 1 0 0 1 2 0	3 1 0 0 0 0 1 0 0 0 1 1 0 0	1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 0 0 0 0 0 0 0 0 1 1	2 1 0 0 0 0 0 2 1		1 0 0 0 0 0 0 0 0 0 1	1 0 0 0 0 1 0 0	1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 0 0 0 0 3 0 1 2 2	0 1 0 0 0 0 1 0 1 2 2	1 0 0 0 1 1 0 1 2 2	1 0 0 0 1 1 0 1 2 2	1 1 0 0 1 1 0 1 2 2	1 1 0 0 0 1 0 2 2 2	1 1 0 0 0 1 0 1 2 2	1 0 0 0 0 1 0 1 2		1 0 0 0 0 0 1 1 1 1 1
21 22 23 24 25 26 27 28 29 30	0 0 0 0 0 1 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0	0 0 0 0 0 2 0 0 1	0 0 0 0 0 0 0 0 1	1 0 0 0 0 0 0 1 0 0 1	1 0 0 0 0 0 0 1 0	1 0 0 0 0 0 1	0000		1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1000000000	000000000000000000000000000000000000000	000000000000000000000000000000000000000	2000000000	200000000000000000000000000000000000000	200000000000000000000000000000000000000	1 0 0 0 0 0 0 0 0 0 0 0	1 0 0 0 0 0 1 0 0 0	0000001000		0001	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.3

PERCENTAGE OF DATA VALID - 91.9 PERCENTAGE OF DATA INVALID - 8.1

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. *-* INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

STATION C NO 59006 CITY HALL 500 GEORGE ST. PETERBOROUGH MONTH - MAY 77	
HOUR 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 DAY	24 MEAN
1 0 0 0 0 1 1 2 1 1 2 1 0 1 1 1 1 0 1 1 1 0 1 1 1 1 0 1 1 1 1	0 1 0 0 0 0 1 0 0 0 1 0 0 0 0 0
11	0 0 0 0 0 0 0 0 0 0 1 1 1 0
21	1 0
31 1 1 1 1 1 1 1 1 1 1 0 0 0 0 0 0 0 1	0 0.2

PERCENTAGE OF DATA VALID - 77.3 PERCENTAGE OF DATA INVALID - 22.7

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. ****** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. . " INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POLI	UTANT	- 5	ULPHI	UR DIO	XIDE								INITS	- 0.0	DI PAR	TS/M	LLION							
	STA	ION -	С	NO !	59006	c	тту н	ALL !	500 GE	EORGE	ST.	PETER	BOROUG	Н		MONT	гн - ,	JUN	77						
HOUR	,	2	3	4	5	6	7	8	9	10	1.1	12	13	14	15	16	17	18	19	20	21	22	23	24 1	MEAN
1 2 3 4 5 6 7 8	0 1 1 0 1 1 0 0 1	0 1 1 0 1 1 0 0 1 1	0 1 1 0 1 1 0 0 0	0 1 1 0 0 0 0	0 1 1 0 0 0 0 0	011000000000000000000000000000000000000	011010000	011110000	0 0 1 1 0 0 0 0	1 0 1 1 0 0 0 0 0	1 0 0 1 0 0 0	1 0 0 0 0 0	1 0 0 1 0 0 1 1 0 0	1 0 0 1 0 0 1 1 0 0	1 0 0 1 0 0 1 1 1 0	1 0 0 1 0 0 1 1 0 0	0 0 1 0 0 0	0 0 0 0 0 0 0	000000000000000000000000000000000000000	1 0 0 0 0 0 0 0 0	1 0 0 0 1 0 0 0 0	1 0 0 0 0 0 0	1 1 0 1 1 0 0 0 0 0	00120000	0 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
10 11 12 13 14 15 16 17 18 19	0 000000000	0 000000000	0 000000000	0 000000000	0 0 0 0 0 0 0 0	0 0000000000	0 000000000	0 000000000	0 000000000	0 000000000	0 0000000000	0000000000	0000000000	0000000000	000000000	0000000000	00000000000	00000000000	00000000000	0000000000	0000000000	0000000000	000000000	000000000000000000000000000000000000000	0 0 0 0 0 0 0 0
21 22 23 24 25 26 27 28 29 30	0 0 0 0 0 0 0 0	0000000000	0000000000	000000000	000000000	000000000	000000000	000000000	0000000000	0000000000	000000000000000000000000000000000000000	0	000000000	0000000000	0 0 0 0 0 0 1	0 0 0 0 0 0 0 1	000000000000000000000000000000000000000	000000000000000000000000000000000000000	0 0 0 0 0 0 0 0 1	000000001	000000000	000000000	000000000	000000000	00000000
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	C	0	0	0	0	0.1

PERCENTAGE OF DATA VALID - 100.0 PERCENTAGE OF DATA INVALID - 0.0

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. *-* INDICATES DATA IS UNAVAILABLE
 - 3. ****** INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - SULPHUR DIOXIDE UNITS - 0.01 PARTS/MILLION

	1.0.6					ALUL.								14112	0.0	A PAP	(12/W)	FLION	4						
	STA	TION	С.	NO 5	9006	C	ITY H	ALL 5	00 GE	ORGE	ST.	PETERE	BOROUG	н		MONT	н .	JUL	77						
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 N	MEAN
1 2 3 4 5 6 7 8 9	000000000	000000000	00000000	0 0 0 0 0 0 0 0 0	000000000	000000000	0 0 0 0 0 0 0 0	000000000	0 0 0 0 0 0 0 0 0	000000000	000000000	000000000	000000000	0000000000	000000000	000000000	000000000	000000000	0000000000	0000000000	000000000	0000000000	0 0 0 0 0 0 0 0	000100000	000000000000000000000000000000000000000
11 12 13 14 15 16 17 18 19	0000000000	0 0 0 0 0 1 0 0 0	000000000	0 0 0 1 0 0 1 0	0 0 0 1 0 0 1 0	000000000000000000000000000000000000000	0 0 0 1 0 0 1	0 0 1 0 0 0 1 0	0 0	000000000000000000000000000000000000000	000000000000000000000000000000000000000	0 0 0 0 0 0 1 0	0 1 0 0 0 0 0 0	0 1 0 0 0 0 0 0 0	0 1 0 0 0 0 0 0	0 1 0 1 1 0 0 3 1	0 1 0 1 1 0 0 1 1 0	0 1 0 0 1 0 0 0	0 2 0 1 0 0 0 0 0 0 0	0 2 0 1 0 0 1 0 0	0 0 0 1 0 0	0 0 0 0 0 0 0 0	000000000	000000000000000000000000000000000000000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
21 22 23 24 25 26 27 28 29 30	000000000	000000000	000000000	000000000	00000000	000000000	000000000	00000000	0 0 0 0 0 0 0 1 0	0 0 0 0 0 0 0 1 0	0 0 0 0 0 0 0 1 0	00000000000	0000000000	000000000000000000000000000000000000000	0 0 0 0 0 0 0 1 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	000000000	000000000	0000000000	000000000	0000000000	0000000000	000000000	000000000	000000000000000000000000000000000000000
31 MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1

PERCENTAGE OF DATA VALID - 99.9 PERCENTAGE OF DATA INVALID - 0.1 PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1, ****** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POL	LUTANT		ULPHU	R DIO	CIDE							U	INITS	- 0.0	1 PAF	RTS/M	LLION	£.						
	STA	TION -	С	NO 5	9006	C	ΙTΥ	HALL	500	GEORGE	ST.	PETER	BOROUG	ЭН		MONT	тн - д	AUG	77						
HOUR	1	2	3	4	5	6	7	В	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 1	MEAN
1 2 3 4 5 6 7 8 9	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0	000000000000000000000000000000000000000	0000000000	0 0 0 0 0 0 0 0	000100000	000000000	000000000	0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 1 0 0 0 0 0 0 0	0 0 0 0 0 0 0	000000000	0 0 0 0 0 0 0 0	0 0 1 1 0 0 0 3 0 0	0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	001000000	0 0 1 0 0 0 0 0 0	000000000	000000000	0 0 0 0 0 0	0000000	0000000000	0000000000
11 12 13 14 15 16 17 18 19	000000000	000000000	0 0 0 0 0 0 0 0	000000000	000000000	000000000	0000000000	000000000	000000000	0 0 0 0 0 0	00000000	000000000	000000000	0000000000	000000000	0000000000	000000000	0000000000	0000000000	00000000	0 0 0 0 0 0 0 0	000000000	000000000	0000000000	000000000
21 22 23 24 25 26 27 28 29 30	000000000	00000000	000000000	000000000	000000000	000000000	000000000	00000000	000000000	0000000	000000000000000000000000000000000000000	000000000	000000000	000000000	000000000000000000000000000000000000000	000000000	000000000	0000000000	000000000	0000000000	000000000	000000000	000000000	000000000	0000000000
31 MEAN	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0

PERCENTAGE OF DATA VALID - 99.9 PERCENTAGE OF DATA INVALID - 0.1 PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. "." INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - SULPHUP ... OXIDE

	STA	TION	- с	NO 9	59006	r	TTY H	(A) 1 . S	ion ce	ORGE	ST (FTFRE	BOROUG	н		MONT	н - 5	EP	77						
707784 AV B O																	17	18	19	20	21	22	23	24 MEA	ū
DAY	7	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	1.7	10	19	20	21	••		2	
1 2 3 4 5	0 0 0 0	0 0 0	00000	0 0 0 0	0 0 0	0 0 0	0 0 0	1 0 0 0	0000	0 0 0	0 0 0	0 0 0	0000	0 0 0 0 0	0 0 0	0 0 0	00000	00000	0 0 0	00000	00000	00000	0 0 0 0	0	0 0 0 0
6 7 8 9 10	0 0 0	0 0 0	0 0 0	0	0	0 0 0	0	0 0	0 0 0	0000	0 0 0	0 0	0 0 0	0 0 0	0 0 0	0 0 0 0	00000	0000	0 0 0	00000	0000	0000	0 0 0	0 0 0	0000
11 12 13 14 15 16 17 18 19	0000000000	0000000000	000000000	000000000	000000000	0000000000	0000000000	000000000	000000000	0 0 0 0 0 1 0 1 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 1 0 0 1 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 1 0	0 0 0 1 0 0 0 0 0	000100000	0 0 0 0 0 0 0 0	000000000000000000000000000000000000000	0 0 0 0 0 0 0 0	000-000000	0001000000	0 0 0 0 0 0 0	000100000	0 0 1 0 0 0 0 0	000000000
21 22 23 24 25 26 27 28 29 30	0000000000	000000000	0000000000	000000000	0000000000	0000000000	0000000000	0 0 0 0 0 0 0 1	0 0 0 0 0 0 0 1	0 0 0 0 0 0 1	0 0 0 0 0 0 0 1 2	000000022	000000000	000000000000000000000000000000000000000	000000000	000000000	0000000000	00000000000	00000001	000000000	0 0 0 0 0 0 0 0 1	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	000000000000000000000000000000000000000	000000000	000000000000000000000000000000000000000
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	O	Ü	Q

PERCENTAGE OF DATA VALID - 99.7 PERCENTAGE OF DATA INVALID - 0.3

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. *- INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	PO	LLUTANT		ULPH	UR DI	301XC								UNITS	. 0	01 PA	RTS/M	ILLIO	N							
	ST	ATION -	С	NO	59006		CITY	HALL	500 (GEORGE	ST,	PETER	BOROU	IGH		MON	тн -	OCT	77							
HOUR DAY	1,	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEA	N
1 2 3 4 5 6 7 8 9	00000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0	0 0 0 1 0 0 0	0 0 0 1 0 0	0 0 0 1 0 1 0	0 0 0 1 0 1 0	0 0 0 0 1 0 1	0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 1 0 0	0 1 0 0	0.00	O O O O O O O O O O O O O O O O O O O			0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	00000	••••	000000		000000	00000	00000		0 0 0 0 1 0 0 0
11 12 13 14 15 16 17 18 19	0 2 0 0 0 1 1 1 1	0 2 0 0 0 0 1 1 0	1 2 0 0 0 2 1 0	1 2 0 0 0 2 0 0	1 2 1 0 0 0 1 0 0 0	1 1 0 0 0 0 0 0 0	2 2 1 0 0 0	2 3 1 0 0	2 3 2 0 0 0	0 2 1 0 0	0 1 1 0 0 0 2	0 0 0 0 0 0 0 0 2	0	0	0 0 0 0 0 1 1	0 1 0	0 0 4 0 0 2 1	0 0 3 0 0 2 1 0	0 0 1 2 0 0 1	0 1 1 0 0 1 1 0	0 1 1 0 0 1 1 0	0 2 1 0 0 0 1 1	0 2 1 0 0 0 1 1 0 0			1 1 1 0 0 1 1
21 22 23 24 25 26 27 28 29 30	1000230000	1 1 0 0 2 2 0 0 0 1	1000120001	1 1 0 0 1 2 0 0 0 1	1 1 0 0 1 1 0 0 0 0 0	1 1 0 0 1 2 0 0 0 0	1 1 0 0 0 1 0 0 1 0	1 2 0	0 0 1 3 0	1 0 1 1 2 0 0	0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 2 3 0 0	0 2 1 0 0	0 0 3 0 0	0 0 0 0 0 0	0 0 0 4 0 0 0	000000000000000000000000000000000000000	0 3 0	0 1 0 2 0 0 1 1 0	0 0 0 1 1 0 0 0 1	1001201000	1 2 3 0 0 0 0	0 2 2 3 0 0 0	0 1 2 3 0 0 0		1000210000
31 MEAN	0	0	0	0	0	0	0		1	0	0		147	0	-		0	0	0	0	0	0	0			0.4

PERCENTAGE OF DATA VALID - 86.2 PERCENTAGE OF DATA INVALID - 13.8

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEJS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNITS - 0.01 PARTS/MILLION

	PUL	LUIANI	- 3	MILHO	M DIO	WIDE.																			
	STA	TION -	C	NO 5	9006	C	ITY H	ALL 5	00 GE	GRGE	ST.	ETER	BOROUG	Н		MONT	TH - 1	OV	77						
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 M	EAN
1 2 3 4 5 6 7 8 9	0 1 0 0 0 0 0 0 0	0 1 0 0 0 0 0 0 0	0 1 0 0 0 0 0 0 0 0	00000000	0 1 0 0 0 0 0 0 0	000000000	0 1 0 0 0 0 0 0 0 0	1 2 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 1 0 0 0	0 0 0 0 0 0 0	0000000	000000000	000000000	000000000	000000000	000000000	0000000000	000000000	000000000	0000000000	000000000	0000000000	000000000	0 0 0 0 0 0 0 0 0
11 12 13 14 15 16 17 18 19 20	0 0 0 0 2 2 2 0 0 3	0 0 0 0 2 2 1 0 0 2	0 0 0 1 2 0 1 0 0 3	0 0 0 1 2 1 0 0 0 1	0 0 0 1 2 1 0 0 0 1	000020000	000000000	0 0 0 1 3 0 0 0 0 0 0	0000311000	0 0 0 0 0 0 0 0	0 0 0 0 2 1 0 0 0 0	0000000000	0 0 0 1 1 0 0 0 0	0 0 0 0 1 1 0 0 0 0	0 0 0 1 1 0 0 0 0	0 0 0 1 1 0 0 1 0	0 0 0 1 1 0 0 1 0	0 0 0 1 1 0 0 1 0	0 0 0 1 2 1 0 0 1 0	0 0 0 1 1 0 0 0 0	0 0 0 2 1 1 0 0 0 0	0 0 0 0 0 0 0	0 0 0 2 1 1 0 0 1 0	0 0 0 2 2 1 0 0 1 0	0 0 0 1 2 1 0 0 0 0
21 22 23 24 25 26 27 28 29 30	0 0 0 0 0 0 1 1	0 0 0 1 0 0 0 0 2 1	0 0 0 0 0 0 1 1	0 0 0 1 0 0 0 1 1	0 0 0 1 0 0 1 0	000000010	000000010	000000010	0 0 0 0 0 1 1 0	1 0 0 0 0 0 0 0 1 1	0 0 0 0 0 0 1 1 1	0 0 0 0 0 0 1 1 1	0 0 0 0 0 0 0 0 1	0 0 0 0 0 0 0 1	0 0 0 0 0 0 0 0 1	0 0 0 0 0 0 2 0 1	0 0 0 0 0 1 0 1	0 0 0 0 0 0 1 1	0 0 0 0 0 0 1 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	000000000000000000000000000000000000000	000000000000000000000000000000000000000	000000000000	0 0 0 0 0 0 1 2 0	0 0 0 0 0 0 1 1
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2

PERCENTAGE OF DATA VALID - 99.7 PERCENTAGE OF DATA INVALID - 0.3

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. "****" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. *- INDICATES DATA IS UNAVAILABLE
 - 3. ****** INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POLI	LUTANT	- S	ULPH	UR DIO	XIDE								JNITS	- 0.0	1 PAR	TS/MI	LLION	4						
	STA	TION -	С	NO	59006		CITY	HALL	500	GEORGE	ST.	PETER	BOROUG	ЭН		MONT	н - р	EC	7.7						
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 1	MEAN
1 2 3 4 5 6 7 8 9	0 0 0 0 0 0 1 0 0 0	0 0 0 1 0 0 1 1 0 0	0 0 0 0 0 1 1 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 1 0 0	000000100	000000000000000000000000000000000000000	0 0 2 1	000000000000000000000000000000000000000	0 0 0 0 0 0 0 1 1	0 0 0 0 0 0 1 1 0	000000000000000000000000000000000000000	0 0 0 0 0 0 1 0	0 0 0 0 0 0 1 0	000000000	0 0 0 0 0 0 0 0 0	000000000	0 0 0 0 0 0 0 0	0 0 0 1 0 0 0 0 0 0	00000000	0 0 0 0 0 0 0	000000000000000000000000000000000000000	000000000	0 0 2 0 0 1 0 0 0	0 0 0 0 0
11 12 13 14 15 16 17 18 19	0 3 1 2 1 1 0 0 0 0 0	1 4 1 2 1 1 0 0	1 2 1 2 0 0 0 0 0	1 1 2 1 2 0 0 0	2 0 1 2 1 0 0 0 0 0	2 0 1 2 1 1 0 0 0 0 0	3 0 1 1 2 0 0 0	0 0 0 0 0 0	0	0 0 1 1 2 0 0 0 0 0 0 0 0 0	1 0 0 0 0 0 0 0 0 0 0	0 0	0 0 2 1 1 1 0 0 0 0	0 0 2 1 1 1 0 0 0 0 0	1 1 2 1 1 1 0 0	1 1 2 1 0 0 0 0	2 1 2 1 1 0 0 0 0	2 1 2 1 0 0 0 0 0	2 1 2 1 1 0 0 0 0 0	2 0 1 1 0 0 0 0	2 1 2 0 2 1 0 0 0 0	3 1 2 0 1 0 0 0	3 1 2 1 2 0 0 0	3 0 2 1 1 0 0 0	2 1 1 1 1 1 0 0 0 0 0 0
21 22 23 24 25 26 27 28 29	0 0 1 1 0 0 1 3 2 2	0 0 1 1 0 0 1 3 2 2 2	0 0 1 2 0 0 1 4 1 1	0 1 1 2 0 0 1 4 1 1	0 1 1 2 0 0 0 2 1 2	0 1 1 4 0 0 0 2 1 1	0 1 1 4 0 0 0 0 2 1 2	1 1 3 0 0 0 2 2	0	1 1 1 0 0 0 0 0 0 0	000000000000000000000000000000000000000	0 1 1 0 0	0 0 1 1 0 0 0 0 0 0 0	0 0 1 1 0 0 0 0 0 0	0 0 1 1 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 1	0 0 0 0 0 0	0 1 1 0 0 0 1 1 1 1	0 1 1 0 0 0 1 0 2	0 1 1 0 1 1 1 1 2	0 1 1 0 0 0 1 1 1 1 3	0 0 1 0 0 1 2 2 1 2	0 1 1 1 0 0 0 1 1 1 1
31 MEAN	1	1	0	0	0	1	1	1		1 0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0.5

PERCENTAGE OF DATA VALID - 99.3 PERCENTAGE OF DATA INVALID - 0.7

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. *- INDICATES DATA IS UNAVAILABLE
- 3. "***** INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

CNIARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1977

POLLUTANT . SULPHUR DIOXIDE

UNITS + 0.01 PARTS/MILLION

POLLUTANT . :	SOLPHUR DIOXIDE	`	UNITS . O. UT PARTS/MILL.	ION
STATION - C	NO 59006 CITY HALL !	500 GEORGE ST. PETERBOROUG	GH	
MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	14	2.0	3	10
FEB	26	1.5	5	9
MAR	31	0.5	2	4
APR	30	0.3	1	3
MAY	24	0.2	Ĭ	3
JUN	30	0.1	Í	2
JUL	31	0.1	1	3
AUG	31	0.0	0	3
SEP	30	0.1	1	2
OCT	26	0.4	2	4
NOV	30	0.2	2	3
DEC	31	0.5	2	4
YEAR	334	0.4	5	10

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1977

POLLUTANT - SULPHUR DIOXIDE UNITS - 0.01 PARTS/MILLION

STATION - C	NO 59006	CITY HALL 500	GEORGE ST. PETERBO	ROUGH
MONTH OC	TO 04 05 TO	10 11 10 14	15 TO 25 26 TO 39	40 GOVER TOTAL
JAN	299	25 0	0 0	0 324
FEB	538	44 0	0 0	0 582
MAR	683	0 0	0 0	0 683
APR	662	0 0	0 0	0 662
MAY	575	0 0	0 0	0 575
JUN	720	0 0	0 0	0 720
JUL	743	0 0	0 0	0 743
AUG	743	0 0	0 0	0 743
SEP	718	0 0	0 0	0 718
oct	641	0 0	0 0	0 641
NOV	718	0 0	0 0	0 718
DEC	739	0 0	0 0	0 739
YEAR	7779	69 0	0 0	0 7848

UNITS - 0.01 PARTS/MILLION

	S	MOITAT	- N	W NO	61010	1	LASS	E/DI	CKENS	ON RDS	BAL	MERTO	WN			MON	TH -	APR	77					
HOUR	1	2	3	4	5	6	7	6	9	10	11	12	1.3	14	15	16	17	18	19	20 21	22	23	24	MEAN
1 2 3 4 5 6 7 8 9	6 0 0	0 5 0 0	05000	04000	0 22 0 0 0	0 1 0 0	0 17 0	40 0		40 0 0 2	0 18 0 0	- DA	TA U	IAVAI	0	0 1 0 0	. 0000	0000	0 1 0 0	0	0000	0 0 0 0	0 0 0	0 9 0 0
11 12 13 14 15 16 17 18 19 20	800000000000000000000000000000000000000	150000000000000000000000000000000000000	300000000	1 0 0 0 0 0 0 0 0 0 0	200000000	100000000	000000000	00000000		12 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0	0 0 0 0 0 1 0 48 0	0	000000000000000000000000000000000000000	0 00000000000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 000000000	0	0 000000000	0 000000000	4	0 2 0 0 0 0 1 0 5 0 0
21 22 23 24 25 26 27 28 29 30	00000	0 0 7 5 0 1 0 0	15 0 0 0 0 0 0	0 0 1 18 0 0 0 0 0 0 0 0	000000000000000000000000000000000000000	0 0 0 0 0 0	0 0 0 0 0 0 0	0 30 30 0 0		0 0 32 **** 0 0 0	000000000000000000000000000000000000000	0 0 23	0 0 43 0 4 0 0	13 0 0 5 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 1 8 0 0 1 0 0	15 4 0 0 0 0 0	0 0 0 9 19 0 0 0	0 0 1 0 6 24 0 0	0 **** 0 **** 18 **** 0 *** 0 *** 0 *** 0 **** 0 **** 0 **** 0 **** 0 **** 0 **** 0 **** 0 **** 0 *** 0 **** 0 *	000000000000000000000000000000000000000	0 0 0 0 40 4 0 0 0	0 0 0 0 0 29 11 0	0 0 1 12 7 2 0 0
MEAN	2	1	1	1	2	1	1	3	••••	4	2	2	4	3	1	1	1	1	1	1 ****	1	2	2	1.7

PERCENTAGE OF DATA VALID - 74.7

PERCENTAGE OF DATA INVALID - 9.0

PERCENTAGE OF DATA UNAVAILABLE - 16.3

NOTES 1. ****** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. *- INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

POLLUTANT - SULPHUR DIOXIDE UNITS . 0.01 PARTS/MILLION STATION - NW NO 61010 LASSIE/DICKENSON RDS BALMERTOWN MONTH - MAY HOUR 6 7 8 9 10 11 12 13 15 16 17 18 19 20 21 22 23 24 MEAN 0 **** 0 **** 0000 0000 0000 0000 0000 0000 0000 000 0000 000 000 2 3 4 5 6 7 8 9 000 000 0000 11 12 13 14 15 16 17 18 19 20 DATA UNAVAILABLE DATA UNAVAILABLE
DATA UNAVAILABLE
DATA UNAVAILABLE
DATA UNAVAILABLE
DATA UNAVAILABLE
DATA UNAVAILABLE
DATA UNAVAILABLE
DATA UNAVAILABLE
DATA UNAVAILABLE
DATA UNAVAILABLE
DATA UNAVAILABLE 21 22 23 24 25 26 27 28 29 - DATA UNAVAILABLE - DATA UNAVAILABLE - DATA UNAVAILABLE - DATA UNAVAILABLE -DATA UNAVAILABLE DATA UNAVAILABLE DATA UNAVAILABLE DATA UNAVAILABLE 30 DATA UNAVAILABLE 31 - DATA UNAVAILABLE -MEAN 0 0 0 0 0 0 **** 0 0 0 0 0 0 0 0 0 0 **** 0.0

PERCENTAGE OF DATA VALID - 11.0

PERCENTAGE OF DATA INVALID - 0.9

PERCENTAGE OF DATA UNAVAILABLE - 88.0

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNITS - 0.01 PARTS/MILLION

	5	OLTAT	y - 1	W NO	61010		LASSI	E/DIC	KENSO	N RDS	BAL	MERTO	WN			MON	TH -	OCT	77						
HOUR DAY	1	2	,a	4	5	6	7	В	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1 2 3												- DA	TA UN	AVAIL AVAIL	ABLE	4									
4	200	77			1.00	1.00		7.					*		-	3		- 8	1,00		0	0	0	0	*****
5	0	0	0	****	0	0	0	0	0	****	****			****	1	1	1	23	27	5	1	0	0	1	3
6	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	****				****		0.003	****	****	*****
7		••••				0	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0
8	1	0		****	0	0	0	0	0	0	6	2	5	2	29		0	0	0	0	0	0	0	0	2
9	0	0			0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0
10	0	0	0	••••	0	0	0	0	0	0	0	11	34	1	1		• • • • •	0	0	0	0	0	0	1	2
1.1	2	7	30		20	41	44	46	5	5	2	1	0	3	2		0	0	0	0	0	0	0	0	10
12	ō				0	0	- 0	0	o	õ	ō	o	o	o			Ö	0	o	ő	0	o	0	0	
13	ō				Ö	o	ő	0	o	o	0	o	0	0			0	0	0	ő	o	0	0	0	o
14	0					o	o	o	o	o	Ö	o	ő	0		****	0	5	42	31	25	1	2	17	6
15	18				o	o	o	o	ő	o	ő	ő	ō	0		****	0	0	0	Ö	0	ò	ō	0	2
16	0				o	0	0	o	ō	0	0	o	0	0		****	0	0	0	ō	0	0	0	0	0
17	a				o	0	0	o	ő	ŏ	0	0	ō	ō			0	0	ō	1	1	1	1	ō	0 6 2 0
18	ō					0	0	0	o	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0
19	ō			****	0	Ö	0	0	o	0	0	0	0	0				0	0	0		0	0	0	0
20	0			****		0	0	0	0	0	4	1	1	1	0	****	• • • • •	0	0	0		0	0	0	0
21	0	0	0		****	0	****			0	0	0	0	••••				0	0	0	0	0	0	0	
22	0	0	0	****	****	0	0	0	0	0	0	0	0	0					0	0		0	0	0	0
23	0	0	0	****	****	0	0	0	0	0	0	0	0	0	0				0	0		0	0	0	0
24	0	0	0	****		0	0	0	0	0	0	0	0	0	0				0	0		0	0	0	
25	0		0			0	0	0	0	0	0	0	0	0		****			0	0		0	0	0	
26	0					0	0	0	0	0	0	0	0	0	0				0	0		0	0	0	
27	0		0		****	0	0	0	0	0	0	0	0	0	0		****	0	0	0		0	0	0	
28	0				****	0	0	0	0	0	0	0	0	0	0		****	0	0	0		0	0	0	
29	0	0			****	0	0	0	0	0	0	0	0	0		****			0	0		0	0	0	
30	0	0	0			0	0	0	0	0	0	0	0	0	0	****	****	0	0	0	0	0	0	0	0
31	0	0	0	****	****	0	0	0	0	0	0	0	0	0	0	••••	• • • •	0	0	0	0	0	0	0	0
MEAN	1	1	2	0	2	2	2	2	0	0	0	1	2	0	1	1	0	1	3	1	1	0	0	1	1.0

PERCENTAGE OF DATA VALID - 74.1 PERCENTAGE OF DATA INVALID - 13.7 PERCENTAGE OF DATA UNAVAILABLE - 12.2

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	PO	LLUTA	NT -	SULP	HUR DI	OXIDE								UNITS	- 0.	01 P	ARTS/N	ILLLIO	N							
	ST	ATION		NW NO	61010)	LASSI	E/DIC	KENSO	N RDS	BAL	MERTO	WN			MON	TH -	NOV	77							
HOUR DAY	1	2	3	4	5	6	7	8	9	10	1.1	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	i
1	0	0	0	****		0	0	0	0	0	0	0	0	0				0	0	0	0	0	0	0		0
2	0	0	0			0	0	0	0	0	0	0	0	0	0			0	0	0	0	0	0	0		0
3	0	o			****	0	0	0	0	0	0	0	0	0	0			0	0	0	0	0	0	0		0
4	0	0	Ö	****	****	0	0	0	0	0	0	0	0	0	0			0	0	0	0	0	0	0		0
5	0	o				0	0	0	ō	0	0	0	0	0	0			0	0	0	0	0	0	0		0
6	0				****	Ö	0	Ö	o	0	0	0	0	0	0			0	0	0	0	0	0	0		0
7	Ö	0				o.	Ö	o	Õ	0	0	0	0	0	0	****		0	0	0	0	0	0	0		0
8	o	o			****	Ö	0	ō					****	****	0	****	0	0	0	1	0	7	0	14	****	**
9	5	6	8			4	2	33	51	56	38	42	31	49	39		54	42	14	1	1	0	0	0		22
10	0	0				ő	ō	0	0	0	0	0	0	0			0	0	0	0	0	0	0	0		0
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13	0	0	Ó			0	0	o	o	o	o	o	ő	0				0	0	0	0	0				0
14	0	0				o	ő	o	ő	0	o	o	ő	o				0	0	0	0	0	0	0		0
15	0	0	Č			0	o	0	ő	0	ő	o	0	0				0	4	16	2	0	0	1		1
16	9	19		***		0	2	2	7	1	33	1	o	0	ő			0	0	0	0	0	0	0		4
17	0	19	12			ő	ő	ő	ó	o	0	o	o	o				o	0	o	ő	o	0	0		0
18	0	0		***		0	o	ő	ő	o	ő	o	o	ō				ō	0	ŏ	ŏ	0	0	2		0
19	0	0		***		Ö	Ö	0	0	0	ő	ő	o	o		****		ō	o	ŏ	ő	0	0	0		0
20	0			***		0				0	ő	0	o o	ő				0	5	38	44	12	3	0		5
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22						ő	ő	0	0	o	0	o	Ö	0				0	0	0	0	0	0	0		0
23	0	0			- 95	ő	ő	o		0	o	ő	ő	0				0	0	0	o	0	0	0		0
			(0	0	0	0	0	o	0						****		****						
24		0	5				****										0	0	0	0	0	0	0	0	****	
25 26	0	0					0	0		0	0	0	0	0	0		- 2		ō	0	o	0	0	0		0
27	0	0								ő	ő	ő	ő	o	ő				o	ő	0	0	0	0		0
										o	ő	o	ő	ő	ő			Ö		0		0	0	0		0
28	0	0	(o	ő	0	o	ō						ŏ	0	0	0	0		0
29	0	0	9								ő	0	0	ő						0	o	2	0	0		0
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MEAN	7	1	1	***	. 1	0	0	.1	2	2	3	2	-1	2	1	••••	. 2	1	1	2	2	1	0	1	-	1.2

PERCENTAGE OF DATA VALID - 83.9 PERCENTAGE OF DATA INVALID - 16.1

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. *- " INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNITS - 0.01 PARTS/MILLION

																		16610								
	STA	TION .	N	W NO	61010		LASS	E/DI	CKENS	ON RDS	BA	LMERT	NWC			MON	тн - п	DEC	77							
DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	0	0			0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0	0			
2	0	0	790		0	0	0	0	0	0	0	0	0	0			ő	ő	0	0	0	0	0	0		0
3	0	0	4	****	0	0	0	0	0	0	0	0	0	0			0	ŏ	ŏ	Ö	o	0	0	0		0
5	0	0		****	0	0	0	0	0	0	0	0	1	1	7		0	1	2	7	8	9	13	17		3
	14	9	94	****	14	2	4	1	4	4	3	5	2	3	0		0	ò	1	ó	0	0	0	2		3
6 7	14	15	-	****	- 1	3	.1	1	1	1	0	0	0	0	1		0	õ	ò	ő	0	0	0	ő		3
8	0	0	-	****	1	0	0	0	0	****	****		****			6	8	4	ő	o	1	1	1	1		2
9	1	0	0	0	0	0	12			6	10	4	0	0	0	0	0	o	o	ő	ò	ó	ò	ó		
10	0	0	0	0	0	0	****	****	****	C	0	0	0	0	o	o	o	ŏ	o	ő	ő			****		2
10	0	0	0	0	0	0	0	0		1	0	0	0	0	o	0	o	o	ő	ő	0	0	0	0		0
11	0	0	0	0	0	0	0	0	****	0	0	0	0	0				_								
12	0	0	0		0	0	0	o	0	0	ő	0	ő	2	0	0	0	0	0	0	0	0	0	0		0
13	0	0	0	3	0	0	0			0	o	ő	ő	ő	0	0	0	0	0	0	0	0	0	0		0
14	0	0	0	0	0	0	0		****	0	0	ő	ő	0		0		0	0	0	0	0	0	0		0
15	0	0	0	0	0	0	0			0	0	ő	ő	0	0	0	0	0	0	0	0	0	0	0		0
16	2	0	0	0	0	0	0	-		ő	0	0	o	0	1	0	0	0	0	0	0	0	0	0		0
17	0	0	0	0	0	0	0	0		0	0	0	0	0	0	0	D	0	0	0	0	0	0	0		0
18	0	0	0	0	0	0	0	-		ő	o	o	o	0	0	0	0	0	0	0	0	0	0	0		0
19	0	0	0	0	0	0	ō			o	o	0	0		0	0	0	0	0	0	0	0	0	0		0
20	0	0	0	0	0	0	O	-		o	o	o	0	0	0	0	0	0	0	0	0	0	0	0		0
21	0	0	0	0	0	0	0	0		0	0	0		0	0	0	0	0	•		-	-	_			
22	0	0	0	0	0	0	0	0		0	0	0	1	ő	ő	ő	ő	0	0	0	0	0	0	0		0
23	0	0	0	0	0	0	0	0	****	0	0	0	0	ō	ő	ő	o	Ö			0	0	0	0		0
24	0	0	0	0	0	0	0	0		0	0			ŏ	o	ő	ő	o	0	0	0	0	0	0		0
25	0	0	0	0	0	0	0	0		0	0	Ö	0	ő	ő	ő	o	0	0	0	0	0	0	0		0
26	0	0	0	0	0	0	0	0		0	0	0	ő	ő	ő	ŏ	ő	0	0	0	0	0	0	0	1	0
27	0	0	0	0	0	0	0	0		0	0	1	1	1	1		·	0	0	0	0	0	0	0	1	0
28	0	0	0	0	0	0	0	0		0	0	o	ò	ó	ò	ò	0	0	0	0	0	0	0	0	3	0
29	0	0	0	0	0	0	0	0		0	0	0	ő	ő	o	ő	o		0	0	0	0	0	0	1	0
30	0	0	0	0	0	0	0	0	****	0	0	0	o	ő	ŏ	ŏ	o	0	0	0	0	0	0	0		0
31	0	0	0	0	0	0	0	0	• • • •	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0
MEAN	1	1	0	0	1	0	1	0	1	0	0	0	0	0	0	0	0	0		0		-	-			

PERCENTAGE OF DATA VALID - 93.3 PERCENTAGE OF DATA INVALID - 6.7

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ******* INDICATES LEJS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ON ARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOUT 4 AND 2-HOURLY DATA FOR 1977

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION -	# NO 61010	LASS	SIE/DICKENSON RDS BA	LMERTO	IWN			
MONTH	NO	OF DAYS	AVERAGE	CONCEN	IT 24-HOUR	MAXIMUM	MAXIMUM READING	
MAL				DATA	UNAVAILABLE			
FEB				DATA	UNAVAILABLE			
MAR				DATA	UNAVAILABLE			
APR		24	1.	.7	,	12	48	
MAY		4	0	.0		0	0	
JUN				DATA	UNAVAILABLE			
JUL				DATA	UNAVAILABLE			
AUG				DATA	UNAVAILABLE			
SEP				DATA	UNAVAILABLE			
ост		25	1	.0		10	46	
NOV		27	1	. 2		22	56	
DEC		31	0	. 4		3	17	
YEAR		111	1	.0		22	56	

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

MONTHLY GROUP FASQUENCY DISTRIBUTION FOR 1977 UNITS - 0.01 PARTS/MILLION POLLUTANT - SULPHUR DIOXIDE STATION - NW NO 61010 LASSIE/DICKENSON RDS BALMERTOWN MONTH 00 TO 04 05 TO 10 11 TO 14 15 TO 25 26 TO 39 40 SOVER TOTAL DATA UNAVAILABLE DATA UNAVAILABLE FEB DATA UNAVAILABLE MAR 538 17 4 APR 489 0 82 0 MAY DATA UNAVAILABLE JUN DATA UNAVAILABLE JUL DATA UNAVAILABLE AUG DATA UNAVAILABLE SEP OCT 604 576 NOV 694 6 DEC 674 12 15 2469 43 18 29 YEAR 2348 FREQUENCY DISTRIBUTION BY PERCENTILES PERCENT OF OATA VALID MIN 10 CONCENTRATIONS
FREQUENCY DISTRIBUTION. PERCENT
50 70 90 95

30

67.2

0

0.0 0.0 0.0 0.0

ARITH MEAN

1.0

99

16.5 31.3

3.8

CNTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE

UNIFS - 0.01 PARTS/MILLION

												-	11.2	.W. C.W.		1.52 14.4	LLIUM	* /						
	STAT	ION .	NW	NO 6	3012	DA	WSON C	T ALGOMA	Sī	NORTH,	THUN	IDER	Вду		MONT	н - ј	UN	77						
DAY	1	2	3	4	5	6	7	8 9	10	11	12	13	14	15	16	17	18	. 19	20	21	22	23	24 M	EAN
1 2 3 4 5 6 7 8 9											- DATA	UNA UNA UNA UNA UNA UNA UNA	VAILAB	LE										
11 12 13 14 15 16 17 18 19 20	. 0 0 0 0 0 0 0	000000000000000000000000000000000000000	000000	. 0 0 0 0 0 0	. 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0	000000				VAILAB VAILAB O O O O O		1 0 0 0 0 0 0 0 0	1 1 0 0 0 0 0	0 0 1 1 0 0 0 0 0	0 1 0 0 0 0 0 0	0 1 0 0 0 0 0 1	1 1 0 0 0 0 0 0 1	0 0 0 0 0 0 1	00000000	0000000	0 0 0 0 0 0
21 22 23 24 25 26 27 28 29 30	0000000000	000000000000000000000000000000000000000	0000000000	000000000	0000000000	0 0 0 0 0 0 0 0 0 0	0000000	0 0 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0	000100000	0 0 0 0 0 0 0 0	0 1 0 1 0 0 2 0 0 0	1 1 0 0 0 0 1 0 0 0	0 1 0 0 0 1 1 0 0 0 0	0 1 0 0 0 0 0 0 0	0000000000	0 0 0 0 0 0 0 0 0	0 0 0 0 0 1 0 0 0	0 0 0 0 0 1 0 0 0	0 1 0 0 1 0 1 0	0 1 0 0 0 0 0 1 0	0 1 0 0 0 0 0 0 1 0	0000000000	0000000000	0 0 0 0 0 0
MEAN	0	0	0	0	0	0	0	0 0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1

PERCENTAGE OF DATA VALID - 57.9 PERCENTAGE OF DATA INVALID - 0.0

PERCENTAGE OF DATA UNAVAILABLE - 42.1

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. *-* INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEJS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POLLUTANT - SULPHUR DIOXIDE UNITS -														- 0.	O.O1 PARTS/MILLION									
	STATION - NW NO 63012 DAWSON CT							ALGOMA	ST	NORTH,	TH	UNDER	BAY M			MONTH - JUL 77									
HOUR	1	2	3	4	5	Б	7	8	9	10	1.1	12	13	14	15	16	17	18	19	20	21	22	23	24 M	EAN
1 2 3 4 5 6 7 8 9	000000000	000000000	0 0 0 0 0 0 0 0 0 0	0 0 0 7 0 0 0 0 0	0 0 0 4 1 0 0 0 0 0	0004000000	0 0 2 1 0 0 0 0	0 0 0 0 0 0 0	0 0 0 1 1 0 0 0 1	0008201001	0 0 4 1 0 0 0 0	0 0 1 0 0 1	0 1 0 0 1 0 0 1	0 1 0 1 0 0 0 0	0 1 0 2 1 1 1 1 0 0	0 0 0 1 0 0 0 0	0 0 0 1 0 1 2 0 0 0 0	0 0 1 1 1 0 0 0	0 0 0 0 1 0 0 0	0000100000	100000000	000000000000000000000000000000000000000	100000000	0 0 0 0 0 0 0 0 0	0 0 0 2 1 0 0 0 0
11 12 13 14 15 16 17 18 19	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0	000000000	0000000000	000000000	00000000	0 0 1 0 2 0 0 0	0 1 0 1 0 0 0 0	0006010000	0 0 0 1 0 0 0 0	0 0 0 1 1 1 0 0 0 0	0 0 0 1 0 0 1 0	0 0 0 0 0 0 0	1 0 0 1 0 0 0 0 0 0 0	0 0 0 0 0 0 0	000000000000000000000000000000000000000	0 0 0 0 0 0 0 0 0 0	0 0 0 2 0 0 0 1 0	0 0 1 1 0 0 0 0 0 2 0	000000100	000000000	0 0 2 0 0 0 0 1 0	0 0 0 0 0 0 0 0	000000000	0 0 0 0 0 0 0
21 22 23 24 25 26 27 28 29 30	000000000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	000000000	000000000	0 0 0 0 0 0 0	000000000	0 0 0 0 0 0	000000000	000000000	00000000	0	000000000	0 0 0 0 0 0 0	000000000000000000000000000000000000000	00000000	0000000	0000000000	0000000000	0 0 0 0 0 0	000000000	000000000	00000000	000000000	000000000	000000000000000000000000000000000000000
31 MEAN	0	0	0	0	0	0		0	0	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0.2
			-					-		-		~				-		-		· ·					

PERCENTAGE OF DATA VALID - 99.7 PERCENTAGE OF DATA INVALID - 0.3

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. "." INDICATES DATA IS UNAVAILABLE
 - 3. ****** INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - SUL HUR : _XIDE

UNITS - 0.01 PARTS/MILLION

	FUL	POLLOTARY - SOL HOR - SAIDE												ONLIS O.O. PERISYMICETOR												
	STA	TION .	N/A	NO C	3012	D	AWSON	CT	A LGOMA	\$1	NORTH,	TH	UNDER	BAY		MONT	н - 1	UG	77							
HOUR	1	2	j	4	5	6	7	8	9	10	f1	12	13	14	15	16	17	18	19	20	21	22	23	24 ME	AN	
1 2 3 4 5 6 7 8 9	000000000000000000000000000000000000000	000000000000000000000000000000000000000	000000000	0000000000	0000000000	000000000	0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 7	000000000000000000000000000000000000000	0 0 0 1 0 0 0 1 0	000100000	0 0 0 0 0 0 1 0	0 0 0 0 0 1 0	0000000000	0 - 0 0 0 0 0 0 0	0000000000	0 0 0 0 0 0 0	000000000	0100000000	000000000	000000000	000000000	00000000	3	00000000
11 12 13 14 15 16 17 18 19	000000000	000000000000000000000000000000000000000	0000000000	0 0 0 0 0 0 0 0	01000000	000000000	000000000	0000000000	0000000000	000000000	0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0	000000000000000000000000000000000000000	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0	0000000000	000000000000000000000000000000000000000	000000000	0000000000	0 0 0 0 0 0 0 1 0	0 0 0 0 0 0 0 0	000000000	0 0 0 0 0 0 0 0		000000000
21 22 23 24 25 26 27 28 29	000000000	000000000	0000000	000000000000000000000000000000000000000	0 0 0 0 0 0 0 1	000000000	00000000	00000000		010000000	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0		000000000000000000000000000000000000000	0000000	0000000000	0 0 0 0 0 0 0 0	0000000	000000000	0000000000	000000000	0000000000	000000000	000000000000000000000000000000000000000		0000000000
31 MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.	0
mE All				J	9	U		U	U	v	•	U	U	0	U	v	•	•		U			•		Ο.	2.5

PERCENTAGE OF DATA VALID - 99.3 PERCENTAGE OF DATA INVALID - 0.5

PERCENTAGE OF DATA UNAVAILABLE - 0.1

NOTES 1. "**** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	PO	POLLUTANT - SULPHUR DIOXIDE UNITS - 0.01 PARTS/N														ILLIO	N									
	ST	MOITA	- NW	NO	63012		DAWSOI	N CT	ALGOMA	ST	NORTH.	TH	HUNDER	BAY		MON	тн -	SEP	77							
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	ľ
1 2 3 4 5 6 7 8 9	9 0 0 0 0	0001000000	000000000	000000000	000000000	000000000	000000000	0000000000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	000000000000000000000000000000000000000	0 0 0 0 0 0 0 0 0 0 0 0	000000000	000000000000000000000000000000000000000	0 1 0 0 0 0 0 0 0 0	0 1 0 0 0 0 0 0 0	000000000	00000000	000000000	000000000	000000000	000000000	0010000000	000000000	000000000		0000000000
11 12 13 14 15 16 17 18 19	0 0 0	0 0 0 0	0 0 0 0 0	0 0 0 0	0 0 0 0	00000	0 0 0 0	00000	0	1 0 2 0 1 0		0 0 3 0 0	0	INVAL	0 0 1 1 0 	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 1 0 0	0 0 1 0 0	0 1 1 0 1	0 0 1	0 0 1 0 0	000	0000	0000		0 0 1 0 0 0
21 22 23 24 25 26 27 28 29 30			0 0 0 0 0 0	000000000000000000000000000000000000000	000000	0 1 0 0 0 0 0	0 0 0 0 0 0	000000000000000000000000000000000000000	0 0 0	000000	0 0 0 0	000000000000000000000000000000000000000	3 0 0 0	I NVAI I NVAI O O O O O		3000000	1000000	1 0 0 0 0 0 0	000000000000000000000000000000000000000	0000000	1000000	1 0 0 0 0 0 0	0000000	000000000000000000000000000000000000000		0000000
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	C		0.1

PERCENTAGE OF DATA VALID - 76.3

PERCENTAGE OF DATA INVALID - 23.8

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. -- INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEJS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - SULPHUR DIOXIDE UNITS - 0.01 PARTS/MILLION

	STAT	ION -	NW	NO	63012		DAWSO	N CT	ALGOM	A ST	NORTH	i, ti	HUNDER	ВДУ		MON	HTH -	OCT	77						
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1 2 3 4 5 6 7 8 9	000000000	0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0	000000000	0000000	000000000000000000000000000000000000000	00000000		000000000000000000000000000000000000000	0 0 0 0 0 0 0 0	000000000000000000000000000000000000000	000000000000000000000000000000000000000	000000000000000000000000000000000000000	000000000	0 0 0 0 0 1 0 0 0	0 0 0 0 0	000000000	0 0 0 0 0 0 0 0	000000000	00000000	00000000	0000000000	000000000	000000000	000000000000000000000000000000000000000
11 12 13 14 15 16 17 18 19	0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0	000000000000000000000000000000000000000	000000000	000000000	000000000	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0	000000000	000000000000000000000000000000000000000	0 0 0 0 0 0 0 0	0000000	0 0 0 0 0 0 0 0	000000000000000000000000000000000000000	0000000000	0 0 0 0 0 0 0 0 0	000000000000000000000000000000000000000	000000000	000000000	0000000000	000000000000000000000000000000000000000
21 22 23 24 25 26 27 28 29 30	0 0 1 0 0 0 0	0 0 0 0 0 0	0 0 1 0 0 0 0	0 0 0 0 0 1	0 0 1 0 0 0 0	0 0 0 0 0 0	0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 1 1 1 0 0 0	0 0 1 1 1 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			O O O O O INVAL			0000	0000	0000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	000000000000000000000000000000000000000	000000	000000000000000000000000000000000000000	0 0 0
31 MEAN	0	0	0	0	0	0	0	0	0	0	0	0		INVAL	. ID - 0	0	0	0	0	0	0	0	0	0	0.0

PERCENTAGE OF DATA VALID - 85.8 PERCENTAGE OF DATA INVALID - 14.2 PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. ****** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ******* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

POLLUTANT - SULPHUR DIOXIDE UNITS - 0.01 PARTS/MILLION

	S1	ATION	- NW	NO.	63012	2	DAWSO	N CT	ALGOM	A ST	NORTH	, тн	UNDER	ВДУ		MON	ith -	NOV	77						
HOUR	1	2	3	4	5	6	7	8	9	10	1.1	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	****	****			****						0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	D	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	****	0	0	****	****	****	0	0	****	0	0	0	0	0
7	0	0		* * * *	****		0	0	0	0	0	0	.0	0	0	0	0	0	0	0	0	0	0	0	.0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	****	0	0			0
9	0	0	****	****	0	0	0	0	0	0	0	0	0	0	0	0	0	0		****	0	0	0	0	0
10	****	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1.1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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23	0	0	0	0		0		0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0	0
24	0	0	0	0		0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0		0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0		0		0	0	0	0	0	****	***		0	0	0	0	0	0	0	0	0	0
28	0	0	0	0		0		0	0	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	****	0	0	0			* * * *		0	0	0		****	••••	****	****	****	0	0	0	0	0	0	0	*****
MEAN	0	0	0	0	D	0	0	0	О	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0

PERCENTAGE OF DATA VALID - 93.9 PERCENTAGE OF DATA INVALID - 6.0 PERCENTAGE OF DATA UNAVAILABLE - 0.1

- 2. *- * INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

	POLL	UTANT	- \$	ULPHU	JR DIOX	IDE							υ	INITS	- 0.0	I PAR	TS/MI	LLION	Ĭ)						
	STAT	ION .	NW	NO 6	3012	D	AWSON	ст	ALGOMA	ST	NORTH.	THL	INDER	BAY		MONT	н • р	EÇ	77						
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 ME	AN
1 2 3 4 5 6 7 8 9	000000000	000000000	000000000	000000000	0 0 0 0 0 0 0 0	00000000	000000000	000000000	0 0 0 0 0 0 0	000000000		000000000	000000000	0000000000	0000000000	000000000	000000000	000000000	000000000	000000000	000000000	000000000	0000000000	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0
11 12 13 14 15 16 17 18 19	0 0 0 0 0 0 1 0 0	000000000	0 0 1 0 0 3 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 1	0010001000	0 0 1 0 0 0 0	0 0 0 1 0 0	0010001000	0 1 0 0 0 2 1	000000000000000000000000000000000000000	0 0 1 0 0 0 0	0 0 1 0 1 0	0 0 0 0 0 1 0 2 0	0 0 1 0 1 0 2 0	0 1 0 0 1 0	0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 1 0 0 0	000001000	000001000	0000000000	00000000	0 0 1 0 0 0
21 22 23 24 25 26 27 28 29 30	0000000000	000000000	0000000000	000000000	000000000	000000000	0 0 0 0 0 0 0	000000000000000000000000000000000000000	0000000	000000000	0 0 0 0 0 0	000000000	000000000	000000000	000000000	000000000	000000000	000000000	000000000	000000000	000000000	000000000	000000000	0000000000	000000000
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	o	0	0	٥	0	C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1

PERCENTAGE OF DATA VALID - 99.7 PERCENTAGE OF DATA INVALID - 0.3

PERCENTAGE OF DATA UNAVAILABLE - 0.0

^{2. &}quot;-" INDICATES DATA IS UNAVAILABLE

^{3. &}quot;***** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1977

28

31

186

0

0.0

0.0

0.0

87.7

POLLUTANT - SULPHUR DIOXIDE

NOV

DEC

YEAR

UNITS - 0.01 PARTS/MILLION

0

2

0

3

11

MEAN

0.1

STATION - NW N	0 63012 DAWSON CT	ALGOMA ST NORTH, THUNDER	R BAY	
MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN		DATA UNAV	AILABLE	
FEB		DATA UNAV	AILABLE	
MAR		DATA UNAV	AILABLE	
APR		DATA UNAV	AILABLE	
MAY		DATA UNAV	AILABLE	
JUN	17	0.1	0	2
JUL	31	0.2	2	11
AUG	31	0.1	1	7
SEP	22	0.1	1	9
ост	26	0.0	0	1

0.0

0.1

0.1

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1977 POLLUTANT - SULPHUR DIOXIDE UNITS - 0.01 PARTS/MILLION STATION - NW NO 63012 DAWSON CT ALGOMA ST NORTH, THUNDER BAY MONTH 00 TO 04 05 TO 10 11 TO 14 15 TO 25 26 TO 39 40 SOVER TOTAL JAN DATA UNAVAILABLE FEB DATA UNAVAILABLE MAR DATA UNAVAILABLE APR DATA UNAVAILABLE MAY DATA UNAVAILABLE JUN 417 0 0 417 3 0 0 0 742 AUG 738 0 0 739 SEP 1 0 0 0 0 549 OCT 638 O 0 0 638 NOV 0 0 0 676 DEC 742 0 0 0 0 742 YEAR 4497 0 0 4503 FREQUENCY DISTRIBUTION BY PERCENTILES
PERCENT
OF DATA 10 30 CONCENTRATIONS FREQUENCY DISTRIBUTION. PERCENT 50 70 90 95 ARITH VALID MIN 98 99 MAX

0.0

0.0 0.2

0.8

1.0

ONTARIO MINISTRY OF THE ENVIRONMENT . AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIGKIDE

UNITS - 0.01 PARTS/MILLION

	5	TATIO	v - 1	NW NO	53040	43	5 JAMES	57 S	THUND	ER BAY	•				MON	тн -	JAN	77							
DAY	1	2	3	4	5	6	7 8	9	10	1.1	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1 2 3 4 5 6 7 8											- 0 - 0 - 0 - 0	DATA DATA DATA DATA DATA DATA	INVALIC INVALIC INVALIC INVALIC INVALIC INVALIC INVALIC INVALIC INVALIC INVALIC INVALIC												
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21 22 23 24 25 26 27 28 29 30	000000000000000000000000000000000000000	000	0 0 0 0 0 0 0 0	000000000	0000000000	****	: 0	0 0 0 0 0 0 0 0	000000000000000000000000000000000000000	000000000	00000000000	000000000	0100000000	0100000000	0 1 0 0 0 0 0 0 0 0		00000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	010000000000000000000000000000000000000	000000000	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0000100000	000000000	
MEAN	0		0		0	0	0 0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		

PERCENTAGE OF DATA VALID - 60.6 PERCENTAGE OF DATA INVALID - 39.4

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. ****** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. *- INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	PC	LLUT	ANT -	SULP	HUR D	OXID	E							UNITS	. 0.	01 PA	RTS/N	ILLIC	N						
	SI	ATIO	N - 1	NW NO	63040)	435	JAMES	ST S	THUND	ER BA	Y				MON	тн -	FEB	77						
HOUR DAY	1	2	3	4	5	6	7		9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1 2 3 4 5 6 7 8	0000000	0000000	000	000000	0000000	000000	::::	0 0 0 0	0 0 0 0 0	0 1 0 0 0 0 0 0 0	000000000000000000000000000000000000000	000000	000000	00000	0	00000	0 0 0 0 0 0 0	0 0 0		0 0 0 0 0 0 0 0 0	0 0 0 0 0 1 1	0 0 0 0 0 1 1	0 0 0 0 1 1	1	000000
9 10	0	0	0	0	0	0	0		0	0	0	0	0	0	2	0	1	1	0	0	0	0	1	1	0
11 12 13 14 15 16 17 18 19	000000000000000000000000000000000000000	000000000	00000	0 0	000000000	000000000		0000000	000000000	000000000	0	0 0 0	0000000000	000000000	0	000000000	000000000	000000000	000000000000000000000000000000000000000	0 0 0 0 0 0 0 0 0	0000000000	000000000	000000000		00000000
21 22 23 24 25 26 27 28		0	::::	000000000000000000000000000000000000000	000000000000000000000000000000000000000		••••	0 0		••••	000000000000000000000000000000000000000	000000000000000000000000000000000000000	0 0 0 0 0	000000000000000000000000000000000000000		4 0 0 0 0	000000	000000000000000000000000000000000000000	000000000000000000000000000000000000000	000000000000000000000000000000000000000		000000000000000000000000000000000000000	000000	000000000000000000000000000000000000000	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0

PERCENTAGE OF DATA VALID - 89.1 PERCENTAGE OF DATA INVALID - 10.9

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

							HUR DI		E							UNI	15 - 0	.01	ARTS/	MILLI	ON							
		STATI	ON	1.0	NW 1	VC.	63040		435	JAMES	ST	THUN	DER E	Αγ				MC	NTH -	MAR	77							
DAY	2	1	2	3	3	4	5	6	7	, 6	3 9	10	1.1	1	2 1	3 14	4 15	16	17	18	15	9 20	21	22	23	3 2	4 ME	AN
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RCEN	NTAGE	OF D	AT	A VA	LID		76.2			PERCE	NTACE	OF D																
												. 01 0	MIN I	NVAL		23.8		PE	RCENT	AGE 0	F DAT	A UNA	VAILA	BLE -	0.0)		

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. *-* INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEJS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

POLLUTANT - SULPHUR DIOXIDE UNITS - 0.01 PARTS/MILLION STATION - NW NO 63040 435 JAMES ST S THUNDER BAY MONTH - APR 77 HOUR 1 2 3 4 6 7 8 9 10 11 12 13 14 15 16 DAY 17 18 19 22 23 24 MEAN 0 **** 0 **** 0 **** 0 **** 0 **** 1 2 3 4 0 **** 0 **** 0 **** 0 **** 0 **** 0 **** 0 0 6 1 0 0 0 D 0 0 0 **** **** **** **** n o 0 0 0 15 16 17 **** **** ** 1 **** 1 4 0 0 0 ...0 :::: 19 20 O Ö LE . 2 **** 4 **** 0 *** 0 *** 0 *** 0 **** 0 **** 0 ** 0 *** 0 - DATA UNAVAILABLE 23 24 0 ****
0 ****
1 ****
1 **** 1 ······ 0 1 0 0 0 0 1 ò **** MEAN 0 0 1 1

PERCENTAGE OF DATA VALID - 85.1

PERCENTAGE OF DATA INVALID - 9.7

PERCENTAGE OF DATA UNAVAILABLE - 5.1

- 2. *- * INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNITS - 0.01 PARTS/MILLION

	STA	TION -	NW N	63040		435 JA	MES	51 5	THUNDE	R BAY					MON	TH - M	YAN	77						
HOUR DAY	1	2	3	4 5	6	7	8	9	10	11,	12	13	14	15	16	17	18	19	20	21	22	23	24 M	EAN
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7	0	0	0		0	0	0	0	0	0		0	0	-		0	0	0	0	0	0		0	0
8	0	0	0		0	0	0	0	0	1	10	4	1	•		0	0	0	0	0	0	0	1	1
9	0	0	0		0	0	0	0	2	3	2	1	0			ĭ	0	0	0	0	0	ò	ò	i
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14	0	0	0	_	0	0	0	0	0	0	0	0	0			0	0	0	0	0	0	0	1	0
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21	0	0	0 ***		0		0		1	2	1	1	0		••••	0	0		0	0	0	0	0	0
22	0	0	0		2	0	0		0	0	0	0	0		****	0	0	0	0	0	0	0	0	0
23	0	0	0		0	2	0		0	0	0	0	0	0		0	0	0	0	0	0	0	0	0
24	0	0	0		0	0	0		0	0	0	0	6	0	****	10	2	0	0	0	2	ò		1
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PERCENTAGE OF DATA VALID . 92.7

PERCENTAGE OF DATA INVALID - 7.3

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE
 - 2. "-" INDICATES DATA IS UNAVAILABLE
 - 3. ****** INDICATES LEJS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

UNITS - 0.01 PARTS/MILLION POLLUTANT . SULPHUR DIOXIDE 435 JAMES ST S THUNDER BAY MONTH - JUN 77 STATION - NW NO 63040 24 MEAN 1.1 0 0 1 2 3 4 5 6 7 8 9 10 0 0 3 5 1 0 0 0 -000000000 12 13 14 15 16 17 18 19 20 00000-0000 -000000000 22 23 24 25 26 27 28 29 30 0-000--

PERCENTAGE OF DATA VALID - 98.2

PERCENTAGE OF DATA INVALID - 1.8

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. -- INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LE-S THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNITS - 0.01 PARTS/MILLION

														with the	5 - 0	UI PA	14 (2) W	ILLIO	N							
	STA	TION -	Nw	NQ	63040		435 JA	MES S	TS	THUNDE	R BAY					MON	тн - ,	JUL	77							
DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1 2 3 4 5 6 7 8 9	1 0 0 2 0 0 0 0 0 0	000000000000000000000000000000000000000	0 0 0 5 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0	000000000	000010000	0 0 0 0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0 0 0 1	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	000000001	0 0 1 0 0 0 0 1	0 0 0 1 5 0 0 0	0 0 0 1 1 0 0 0 2	0 0 0 0 0 0 0	0 0 0 1 0 1 0 0 1	0 0 0 1 1 0 0 2	0 0 0 1 0 0 0 0	0 0 1 0 0 0 0 0	0 0 1 1 0 0 0 0 0	0 0 0 0 0 0 0	0 3 1 0 0 0 0 0 0 0 0	0 0 3 0 0 0 0 0 0		00001000000
11 12 13 14 15 16 17 18 19	0 0 0 0 0 1 0 0 0	000000000	0000000000	0 0 0 0 0 1 1 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0000000000	000000000000000000000000000000000000000	000000000	0 0 0 0 0 0 0 0	0 0 0 0 2 0 1 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 1 0 1 0	1 0 0 4 1 0 0 1 0 0	0 0 3 1 0 0 0	0 0 0 0 0 0 0 0	0000040000	0 0 0 0 3 1 0 0 0	1 0 0 0 0 1 0 0 0	000000000000000000000000000000000000000	0 0 0 0 1 0 1 0 0	000000000000000000000000000000000000000	0 0 0 0 0 0 0 0 0	0000000000	000000000000000000000000000000000000000		0000000000
21 22 23 24 25 26 27 28 29	00000000	0 0 0 0 0 0 0 0	0000000000	0000000000	000000000	000000000	0000000000	000000000	000000000000000000000000000000000000000	0 0 0 1 0 0 0 0 0 0 2	0004	000500000	0 8 0 0 0 0	00000000	0 0 0 0 0 0 0 0 1	0 0 0 0 0 0 0 1	0 0 0 0 0 0 0 0 0 1	0 1 0 0 0 0 1 0 1	0 1 0 0 0 0 0 0 0 0 0	000000100	0000000000	000000000000000000000000000000000000000	000000000	0 0 0 0 0 1 0 0		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
31 MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	

PERCENTAGE OF DATA VALID - 99.5 PERCENTAGE OF DATA INVALID - 0.5

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. ****** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. "***** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POL	LUTANT	- S	ULPH	HUR DIO	XIDE								UNIT	5 - 0	01	PARTS	MILLIO	261							
	STA	TION -	NW	NO	63040	4	35	JAMES	ST S	THUN	DER B															
1.121.4										,,,,,,,,,	DEG: U	44.3				M	ONTH -	AUG	77							
DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	5 16	5 17	7 18	19	20	21	22	23	24	MEAN	
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
2	0	0	0	0	0	0	0	0	0				0						0	0	0	1	0	0	0	
3	0	0	0	0	0	0	0	0	1	0		1		1					0	1	0	0	0	0	0	
4	0	0	0	0	0	0	0	0	o			10	- :						0	0	0	0	0	0	0	
5	0	0	0	0	0	0	0		ő			0	,	0					0	0	0	0	0	1	1	
6	0	0	0	0	0	0	0		ő			0	0						0	0	0	0	0	0	0	
7	0	0	0	0	0	0	0		0			0	0						0	0	0	0	0	0	0	
В	0	0	0	0	0	0	D		0			U	0	0	C) 1	C	0	0	1	0	0	0	0	0	
9		040		9	-	-	-			ALTERNATION OF	- 2	-	-					-	*	-	196		-	-	*****	
10	0	0	0	0	0	0	0	0	0	0	0		0	-				0	0	0	0	0	0	0	*****	
								-						0	0) 0) 1	1	0	0	0	0	0	0	
1.1	0	0	0	0	0	0	0	0	0	0	0	0	0													
12	0	0	0	0	0	0	0	Ö	0	0		0	0						0	0	0	0	0	0	0	
13	0	0	0	0	0	0	0	0	0	0		0		0					0	0	0	0	0	0	0	
14	0	0	0	0	0	0	0	0	0	ő	0	0	0	0					0	0	0	0	0	0	0	
15	0	0	0	0	0	0	0	o	ő	ő	2	0		0					0	0	0	0	1	1		
16	0	0	0	0	0	0	0	0	0	o	0	1	0	0		. 0			0	1	0	0	0	0	0	
1.7	0	0	0	0	0	0	0	0	ő	ő	0	0	0	0	~				0	0	0	0	0	0	0	
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	~			_	0	0	0	0	0	0	0	
19	2	0	0	0	0	0	o	0	0	0	0	0	0	0	0				0	0	0	0	0	0	0	
20	0	0	0	0	0	o	0	0	ő	0	0	0	1	1	0				0	0	0	0	0	0	0	
							7.7					U	0	0	0		0	0	0	0	0	0	0	0	0	
21	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0					12.5						
22	0	0	0	0	0	0	0	0	0	0	0	0	ő	0	0				0	0	0	0	0	0	0	
23	0	0	0	0	0	0	0	0	0	0	0	o o	0	ő	0				0	0	0	0	0	0	0	
24	0		0	0	0	0	0	****	****	****	****					0			0	0	0	0	0	0	0	
25	0		0	0	0	0	0	0	0	0	2	1	1	0	0			-	0	0	1	1	0	0	0	
26	0	0	0	0	0	0	0	0	0	1	5	2	4	4	0				1	1	0	0	0	0	0	
27	0	0	0	0	0	0	0	0	0	0	1	- 1	- 7	0	0				0	0	0	0	0	0	1	
28	0	0	0	0	0	0	0	0	0	0	o	o	o	0	0				0	0	0	0	0	0	0	
29	0	0	0	0	0	0	0	0	0	0	o	0	- 1	1				-	0	0	0	0	0	0	0	
30	0	0	0	0	0	0	0	0	1	o	1	0		- 1	0	0	0		0	0	1	0	0	0	0	
31	0			£.						17	1,00			'	U		U	1	1	0	0	0	0	0	O	
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	****	****	****	0	0	0	0	0	0	0	
MEAN	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	n		-	0.1	

PERCENTAGE OF DATA VALID - 94.0 PERCENTAGE OF DATA INVALID - 1.9

PERCENTAGE OF DATA UNAVAILABLE - 4.2

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. "****** INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNITS - 0.01 PARTS/MILLION

	STA	TION -	NW	NO 6	3040	4	35 JAN	MES	ST S	THUND	ER BA	Y				MON	ITH -	SEP	77						
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 ME	ΔN
1 2 3 4 5 6 7 8 9	0000000.0	0 0 0 0 0 0 0 0 0 0	000000000	000000000	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0	000000000	000000000	00000000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 1 0	0 1 0 1 0 0	0 0 0 3 0 4 0	000000000000000000000000000000000000000	0 0 0	000000000000000000000000000000000000000	000000000000000000000000000000000000000	000000000000000000000000000000000000000		000000000	0 0 1 0 0 0 0 0 0 0 0	000000.00	0 0 1 0 0 0	0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
11 12 13 14 15 16 17 18 19 20	000000000	000000000	0000000000	000000000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	000000000	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	000000000000000000000000000000000000000	1 0 4 0 1 0 0 0 0 0	1 0 2 0 1 0 0 0 0 0	202040000000000000000000000000000000000	0 1 0 0	1 1 0 1 0 0	0	0 0 2 0 0 0 0 0	0 0 1 1 0 0 0 1	1 0 1 1 0 0 0 0 0	1 0 1 0 0 0 0 0	010010000	1 1 0 0 0 0 0	000000000	0 0 0 1 1 0 0 0 0 0	0 0 0 0 0 0 0 0	0 1 1 0 0 0 0 0 0
21 22 23 24 25 26 27 28 29 30	0000000000	0 0 0 0 0 0 0 0 0	0000000000	0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0	0000000000	00000000	000000000000000000000000000000000000000	00000000000	0 0 0 0 0 0 0	0 0 0 0	0	000000000000000000000000000000000000000	0 1 0	0	00000000	0	0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0	000000000000000000000000000000000000000	000000000000000000000000000000000000000	0 0 0 0 0 0 0

PERCENTAGE OF DATA VALID - 96.1 PERCENTAGE OF DATA INVALID - 1.7

PERCENTAGE OF DATA UNAVAILABLE - 2.2

NOTES 1. ****** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "." INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POLI	UTANT	- S	ULPHL	R DIO	IDE							U	NITS	- 0.0	01 PA	RTS/M	ILLIO	N						
	STAT	TION -	NW	NO 6	3040	4	35 .	JAMES S	ST S	THUNDE	R BAY					MON	тн -	OCT	77						
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	. 19	20	21	22	23	24 1	IE AN
1 2 3 4 5 6	0 0 0 0 0 0	0 0 0 0 0 0	0000000	0 0 0 0 0 0	0 0 0 0 0 0	0000000	000000000	0	0000000	0 0 0 0 0 0	0 0 0 0 0 0	0 0 1 0 0 0 0	0000000	0 0 0 0 0 0 0	0 0 0 0 0 1 0	0000000	0 0 0 0 0	0000000	0 0 0 0 0 1 0	00100000	0000000	0 0 0 0 0 0	0000000	0000000	0 0 0 0 0 0
9 10	0	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 12 13 14 15 16 17 18 19	0000000000	0 0 0 0 0 0 0 0 0 0	0 0 0 1 0 0 0 0 0 0	0 0 0 1 0 0 0 0 1	0 0 0 0 0 0 1	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 1 1 0 0 0 0 0 0	0 0 1 0 0 0	0 0 1 1 0 0 0	0 0 0 1 0 0 0 0	0 0 0 0 0 0 1	000000000000000000000000000000000000000	000000000000000000000000000000000000000		000000000000000000000000000000000000000	0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 2 0 0 1 0 0 1	0 0 1 0 0 0 1	0 0 0 0 0 0 1	0 0 0 0 0 0 0 1	00000000	0 0 0 0 0 0 1
21	1	0	0	0	o	0	0	0	0	0	0	D - DATA	O UNA	VAIL	BLE		-		-				*	9 1	• • • • •
22 23 24 25 26 27 28 29	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0	0 0 0	0 0 0	0 0 0	0 0 0 0 0	0 0 0 1 UNA	0 0 0 1 1 1 1 1 1 1 1 1	0 0 0 1	0 1 0 1	0 0 1	0 0	0 0 0 1	0 0	0 0 0	0	0 0 0 0 .	0 0 0 0 .	0 0 0
30 31	-	0					0			0		0	0	0	0	0	0	0	0	0	0	0	0	0	
MEAN	0	0	0	0	0	0	0	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1

PERCENTAGE OF DATA VALID - 83.3 PERCENTAGE OF DATA INVALID - 1.2

PERCENTAGE OF DATA UNAVAILABLE - 15.5

- 2. -- INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEJS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNITS - O DI PARTS/MILLION

		500000000000000000000000000000000000000		T. 50 F 1 7										OH I	0	- W - P	ARISTI	HILLIO	14							
	5	TATIO	N - 1	W NO	63040	05	435 (JAMES	ST S	THUN	ER B	AΥ				MO	NTH -	NOV	77							
DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	1,7	1 B	19	20	21	22	23	24	MEAN	ı
1 2 3 4 5 6 7 8 9 10	000000000000000000000000000000000000000	000000000000000000000000000000000000000	000000000000000000000000000000000000000	000000000000000000000000000000000000000	000000000000000000000000000000000000000	000000000000000000000000000000000000000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	100000000000000000000000000000000000000	000000000000000000000000000000000000000	000000000000000000000000000000000000000	0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	000000000000000000000000000000000000000	0 0 0 1 0 0	000000000000000000000000000000000000000	000000000000000000000000000000000000000	000000000000000000000000000000000000000	0 1 0 0 0 0 0 0 0 0 0 0 0	000000000000000000000000000000000000000	0000100000 0000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0000100000 0000	000000010 0000		0000000010 0000
15 16 17 18 19 20	0	0 0 0		0 0	0 0	0 1 0 0	0	0 0 0	0 0	0 0 0	0000	0 0 0 - DA - DA	O O O TA UN	0 0 0 0	O O O LABLE LABLE	0	0000	0	0	0 0 0 0 .	0 0 0 -	0 0 0 0 -	0	0	••••	0 0 0
22 23 24 25 26 27 28 29 30	1 0 0 0 0 0 0 0 0 1	0 0 0 0 0 0 1		0 0 0 0 0 0 0 1	0 0 0 0 0 0 0 1	0 0 0 0 0 0 1	000000000000000000000000000000000000000	0 0 0 0 0 0 0 1	000000000000000000000000000000000000000	0 0 0 0 0 0 0 1	000000000000000000000000000000000000000	0 0 0 0 0 0 0 1	000000000000000000000000000000000000000	000000000000000000000000000000000000000	0 0 0 0 0 0 0 0 1	000000000000000000000000000000000000000	000000000000000000000000000000000000000	0 0 0 0 0 0	0 0 0 0 0 0 0	00000000	0 0 0 0 0 0 1 0	000000000	00000010	00000000	****	
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1

PERCENTAGE OF DATA VALID - 86.3 PERCENTAGE OF DATA INVALID - 4.7

PERCENTAGE OF DATA UNAVAILABLE - 9.0

NOTES 1. "****" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- "-" INDICATES DATA IS UNAVAILABLE
- 3. "***** INDICATES LEJS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

POLLUTANT - SULPHUR DIOXIDE UNITS - 0.01 PARTS/MILLION STATION - NW NO 63040 435 JAMES ST S THUNDER BAY MONTH - DEC 77 HOUR 7 8 3 4 9 10 11 12 13 14 16 17 18 20 21 22 23 24 MEAN 12 13 14 15 16 17 18 19 20 00-0000000 0 0 0 1 0 0 0 0 0 22 23 24 25 26 27 28 D MEAN 0.0

PERCENTAGE OF DATA VALID - 99.9

PERCENTAGE OF DATA INVALID - 0.1

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY	OF HOUSEY AND 2-HOURS	Y DATA FOR 1977		
POLLUTANT - SUL	PHUR DIOXIDE	9.	UNITS - 0.01 PARTS/MILL	ION
STATION - NW NO	0 63040 435 JAMES	ST S THUNCER BAY		
MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
MAL	20	0.0	0	Ĩ
FEB	26	0.0	0	4
MAR	23	0.1	ŧ	6
APR	27	0.2	1	8
MAY	31	0.5	2	13
JUN	30	0.3	1	11
JUL	31	0.2	1	8
AUG	29	0.1	1	10
SEP	28	0.1	1	9
ост	25	0.1	1	6
NOV	25	0,1	1	9
DEC	31	0.0	1	3
YEAR	326	0.2	2	13

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1977

POLLU	JTANT - :	SULPHUR D	IOXIDE				UNITS - 0.0	PARTS/MILLION
STAT	TION - I	NW NO 630	40 435	JAMES ST	S THUNDER	BAY		
	MONTH	00 TO 04	05 TO 10	11 TO 14	15 TO 25	26 TO 39	40 BOVER	TOTAL
	JAN	451	0	0	0	0	0	451
	FEB	599	0	0	0	0	0	599
	MAR	566	Ť	0	0	0	0	567
	APR	607	6	0	0	0	0	613
	MAY	674	15	1	0	0	0	690
	JUN	703	3	1	0	0	0	707
	JUL	735	5	0	0	0	0	740
	AUG	695	4	0	0	0	0	699
	SEP	691	1	0	0	0	0	692
	ост	619	1	0	0	0	0	620
	NOV	620	1	0	0	0	0	621
	DEC	743	o	0	o	0	0	743
	YEAR	7703	37	2	0	0	0	7742

FREQUENCY		ION BY	PERCENTILES									
	DERCENT OF DATA				FREQUENCY		TRATIONS IBUTION.					ARITH
	VALID	MIN	10	30	50	70	90	95	98	99	MAX	MEAN
	00 4	0	0.0	0 0	0.0	0.0	0.0	0.6	1.4	2.6	13	0.2

UNITS - 0.01 PARTS/MILLION

	S	TATION	- NE	NO	71001	2	1H @	LLCRES	ST AVE	WAV	VA.					MON	NTH -	JAN	77						
HOUR	1	2	3	4	5	6	7	В	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1 2 3 4 5 6 7 8 9	0000000000	000000000	000000000	000000000	0000000000	0 2 0 0 0 0 0 0 0	0 7 0 0 0 0 0 0	0 35 0 0 0 0	0 26 0 0 0 0 0	0 31 0 0 0 0 0	0 28 0 0 0 2 0 0	0 26 0 0 0 0 0 0 0 0	0 6 0 8 0	0 4 0 0 0 0 9 0 43	0 0 0 0 1 7 0 77	0 0 0 0 0 3 0 35	00000	000200000	0 0 0 0 17 3 0	0 0 0 0 0 0 0	000000000000000000000000000000000000000	000000000000000000000000000000000000000	000000000	000000000000000000000000000000000000000	0 7 0 0 1 1 0 7 0
11 12 13 14 15 16 17 18 19 20	000000000000000000000000000000000000000	0 0 3 0 0 0 1 0 0 6	000000000	0 0 0 0 0 0 0 10	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	000000005	0000000004	0000000005	0 0 0 0 5 0 0 0 7	00000000	0 0 0 0 9 0 0 0 4	-	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 5 0 0 0 0	0 0 0 0 14 0 0 0	0 0 0 0 0 0	39000	0 0 0 0 0 0 0	0 2 0 0 0 0 0 0 0 1 1	0 0 0 0 0 0 0 51	0 4 0 0 0 2 7 0 0 5	0 3 0 0 0 9 0 0 0 0 12	0 6 0 0 0 4 0 0 0 0	0 1 0 0 1 4 1 0 0 7
21 22 23 24 25 26 27 28 29 30	004000000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	000000048	000000000000000000000000000000000000000	0 0 0 0 0 0 17 0	0000000000	000000000	0000000000	00000000	000000000	000000000	000000000	000000000000000000000000000000000000000	00000000	0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 23 0 0 0 0	0 48 0 0 0 0 0 0 0 0 0	0 30 0 0 0 0 0 22 0	0 21 0 0 0 0 0 0 6 0	0 17 0 0 0 0 0 0	0 19 0 0 0 0 18 17	0 11 0 0 0 0 0 19 5	0 9 0 0 0 0 0 3 7	0 7 0 0 0 0 0 2 5
MEAN	56 3	130	11	5	5	0	0	1	0	1	1	0	0	2	3	2	0	0 4	2	0	0	0	0	0	9

PERCENTAGE OF DATA VALID - 98.8

PERCENTAGE OF DATA INVALID - 1.2

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. ****** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. "***** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

POLLUTANT - SULPHUR DIOXIDE UNITS - 0.01 PARTS/MILLION STATION - NE NO 71001 29 HILLCREST AVE WAWA MONTH - FEB 77 11 12 13 14 17 18 20 21 22 23 24 MEAN 0 15 0 24 0 0 0 0 0 0 0 0 9 10 12 13 14 15 16 17 18 19 20 000000.400 0 0 0 0 0 0 17 0 0 0 0 0 0 0 5 6 0 0 0 0 0 0 0 0 37 0 0 22 23 24 25 26 27 28 0 0 0 0 45 0 0 0 0 0 23 MEAN 0.7

PERCENTAGE OF DATA VALID - 98.2

PERCENTAGE OF DATA INVALID - 1.8

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. "**** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE
 - 2. "-" INDICATES DATA IS UNAVAILABLE
 - 3, ****** INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

	POLI	LUTANI	- 5	ULPHU	~.01	CIDE								MILL	. 0.0	DI PAR	NIS/MI	LLION							
	STAT	TION -	NE	NO 7	1001	29	HIL	LCREST	AVE	WA	ďΔ					MONT	гн - м	AR	77						
HOUR	1	2	3	4	5	6	7	В	9	10	##	12	13	14	15	16	17	18	19	20	21	22	23	24 ME	AN
1 2 3 4 5 6 7 8	00000000	00000000	0000000	0 0 0 0 0 0	000000000	0000000	000000000	00000000	008000000	0 74 0 0 0 0	0 0 13 0 0 0	00000000	0 0 0 5 0 0 0 11	0 0 0 0 8 0 0	00000000	0 0 0 0 22 0 0	50 00 0	000080000	0 0 0 0 32 0 0	000000000	00000000	000000000	00000000	00000000	0 4 0 5 0 0 0
10 11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 0	0 0
12 13 14 15 16 17 18 19	00000800	000000600	00000700	000000000	00000900	000000000	000000000	00000000	00000000	0000.0000			58 0 0 0	36 0 0 0	20000	0 0 0 0 0	0000000	0000000	0000000	41 0000	0 0 0 137 0 0	00000000	00042000	00068	0 0 0 15 0 2
21 22 23 24 25 26 27 28 29 30	0000000000	0000000000	000000000	0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	00000000	003000000	00000000	000000000	000000000		000000000	0 0 0 0 0 0 0 0 0	0000000000	0 5 0 0 0 0 0 0 0 0	0200000000	0000000000	000000000000000000000000000000000000000	0000000000	00000000000	0000000000	00000000000	000000000	0000000000	0000000000
31 MEAN	0	0	0	0	0	0	0	0	0	2	0	0	2	2	1	1	2	0	1	1	4	0	0	0	0.8

PERCENTAGE OF DATA VALID - 99.1 PERCENTAGE OF DATA INVALID - 0.9

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
 - 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT . AIR RESORCES BRANCH

	POLI	UTANT	- s	ULPH	UR DIO	XIDE							į	UNITS	· o.	01 PA	RTS/MI	LLION	N						
	STAT	ION -	NE	NO	71001	29	ни	LCREST	AVE	WA	WA					MON	TH - A	PR	77						
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 ME	AN
1 2 3 4 5 6 7 8 9	000000000	000000000	000000000	000000000000000000000000000000000000000	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0	0000000000	0000000000	000000000	00170000000	0 0 19 0 0 0 0	0 0 0	000000000000000000000000000000000000000	0000000000	5	000000000	0000000000	000000000	000000000	0000000000	000000000	00000000	0000050000	000000000	. 0
11 12 13 14 15 16 17 18 19	0 0 0 16 14 0 0	0 0 0 4 13 6 0 0 0 0	0 0 4 10 10 0 0 0	0 0 0 2 8 7 0 0 0	0000490000	0000480000	0000960000	0 0 0 6 6 0	0 0 0 3 4 6 0	4000-46000	00000	0	3 0	602003000	0 6 3 2 0	5 0 5 0 3 2 2 0	0 0 0 0 4 2 2 0 0	0000032200	0000042200	0000050000	0000040100	0000030100	0 0 0 4 1 3 0 0 0	0 0 0 5 3 4 0 0 0 0	1 0 0 1 4 5 1 1 0 0
21 22 23 24 25 26 27 28 29	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0000000000	000000000	0	0000000000	000000000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	000000000	0000000	0000	0 0 0	000000	000000000000000000000000000000000000000	200000000	0	000000000	020000000	020000000	000000000	020000000	0400000000	03000000	0 0 0 0 0 0 0	0 1 0 0 0 0 0 0 0 0
MEAN	1	1	1	1	0	0	1	1	0	1	1	0	0	1	1	ï	0	0	0	0	0	0	1	0	0.5

PERCENTAGE OF DATA VALID - 98.5 PERCENTAGE OF DATA INVALID - 1.5

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. "-" INDICATES DATA IS UNAVAILABLE
 - 3. ******* INDICATES LE-S THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNITS - 0.01 PARTS/MILLION

	51	TATIO	N - NE	NO.	7100		29 H	LLCRE	ST AV	E WA	WA					MO	NTH -	MAY	7.7						
HOUR DAY	1	2	3	4	5	6	.7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	100	. 4			. *	3.00		0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	D	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1.5	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	4	9	1
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0		****	****		****	****		****	****	0	0	0	0	0	0	0	
17	0	0	0	0	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0	0
1 B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			****	****	****	****		****		0
19	****	****	****	****		****	****	****					****	1	0		0	0	0	0	0	0	0	0	
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0		0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0		0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0		0	0	0	0	0	0	0
25	2	2	3	9	4	0	0	0	0	0	0	0	0	0	0		0		0	1	3	0	0	0	1
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0		0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0		0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	5	0	0	0	0	0	0		0	0	0	0	5	0	0	0	0
29	0	0	0	0	0	0	0	0	5	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	••••	****	0	0	0	0	0	0	0
31	0	0	0	0	****	****	0	0	****	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1

PERCENTAGE OF DATA VALID - 94.1 PERCENTAGE OF DATA INVALID - 4.7

PERCENTAGE OF DATA UNAVAILABLE - 1.2

NOTES 1. "****" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POL	LUTANT	- S	ULPH	UR DIOX	DE							· L	INITS	- 0.0	1 PAR	TS/MI	LLION	4						
	STA	TION -	NE	NO	71001	2	9 HILI	CREST	AVE	WAW	A.					MONT	н - л	UN	77						
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 M	EAN
1 2 3 4 5 6 7 8 9	0000400000	0 0 0 0 0 0 0 0	0000900000	000000	0 0 0 0 0 0 0 0	0000000000	000000000	0000000000	0 0 0 0 0 0 0 0 0	00000000	00000	0 0 0 0 16 0 0 0 0	000000000	000000000	000000000	000000000	00000000	0 0 0 0 0 0 0 0	000000000	000000000	000000000	000000000	000000000	0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0
11 12 13 14 15 16 17 18 19 20	000000000	000000000	000000000	0000000000	000000000	000000000	000000000	0000000000	0 0 0 0 0 0 0 0 0	000000000	20000000000	000000000	000000000	000000000	000000000000000000000000000000000000000	000000000	0 0 0 0 0 0 0 0 0	000000000	00000000	000000000	000000000	0000000000	0000000000	000000000	0 0 0 0 0 0 0 0 0 0
21 22 23 24 25 26 27 28 29 30	063000000	0 0 0 0 0 0 0 0	0 4 0 0 0 4 0 0 0 0	0 4 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 3 0 0 3 0 0 0 0 0	0 3 0 0 0 0 0 0 0 0	0 2 **	0 0 0 0 0 0 0 0 0	00050000	0000800000	000000000	000000000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 7 0	000000000	0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	00000000	0 0 0 0 0 0 0 0 0	050000000	0 16 0 0 0 0 0 0 0	12 0 0 0 0 0 0 0 0 0	0 3 0 0 1 0 0
MEAN	1	1	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	1	0.3

PERCENTAGE OF DATA VALID - 99.6 PERCENTAGE OF DATA INVALID - 0.4

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. "***** INDICATES LEJS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNITS - 0.01 PARTS/MILLION

	STA	TION -	NE	NO	71001	29	9 HI	LLCREST	AVE	WAW	IA.					MON	TH -	JUL	77						
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 h	EAN
1 2 3 4 5 6 7 8	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	00000000	00000000	0 0 0 0 0 0 0	00000000	00000000	000000	00000000	00000000	00000000	00000000	00000000	00000000	0 0 0 0 0 0	00000000	000000000000000000000000000000000000000	0000000	000000	0000000	0000000	0 0 0 0 0 0	0000000	00000000	0 0 0 0 0 0 0
10	2	4	4	4	3	ŏ	Ö	0	0	0	ò	0	0	0	0	0	0	0	0	0	0	0	0	0	1
11 12 13 14 15 16 17 18 19	0 0 1 1 0 0 0 0 0 0	0 0 1 1 0 0 0 0 0 0 0 0 0	0011000000	0 0 1 1 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 1 1 0 0 0 0 0 0	0011000000	0 0 1 1 0 0 0 0 0 0 0 0 0 0	0 1 1 1 0 0 0 0	0 1 1 1 0 0 0	0 0 1 1 3 0 0 0	0 2 1 1 0 0 7 0 0 0	0 1 1 1 1 0 3 0 0	0 0 1 1 4 0 19 0 0	0 0 1 2 0 5 0	0 0 1 0 0 0 0 0 0	1 0 0 0 0 0	1 0 0 0 0 0 0 0 0 0	1 0 0 0 0 0 0 0 0	000000000000000000000000000000000000000		0 1 1 52 0 1 0 0	0 1 1 3 0 0 0 0	0 1 1 0 0 0 0 0 0	0 0 1 3 1 0 2 0 0 0
21 22 23 24 25 26 27 28 29	0000000000	000000000	000000000	000000000	000000000000000000000000000000000000000	000000000	0000000000	0 0 0 0 0 0 0 0	000000000	0 0 0 0 0 0 0 0	100000000	000000000000000000000000000000000000000	100000000	0 0 0 0 0 0 0 0	00000000	000000000000000000000000000000000000000	2000000000	0000	000000000000000000000000000000000000000	000000000	000000000	00000000	0 0 0 0 0 0 0	00000000	000000000000000000000000000000000000000
31 MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 0.3

PERCENTAGE OF DATA VALID - 98.9 PERCENTAGE OF DATA INVALID - 1.1

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. "**** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. *- INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	1	POLLUTAN	r - :	SULPH	UR DI	OXID							ĵ	JNITS	- 0.0	OI PAI	RTS/M	ILLIO	N							
		STATION	- NE	NO	71001		29 H	LLCRES	T AVE	WA	WA					MON'	тн - ,	AUG	77							
HOUR DAY	1	1 2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	4
1 2 3 4 5 6 7 8 9			0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0000000000	00000000	000000000	000000000000000000000000000000000000000	0 0 0 0 0 0 0 0 0	000000000	0 0 0 0 0 0 0	000000000	00000000	000000000	000000000	000000000	00000000	000000000	000000000	000000000000000000000000000000000000000	000000000000000000000000000000000000000	0000000000	000000000	000000000000000000000000000000000000000		000000000
11 12 13 14 15 16 17 18 19		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	000000000	000000000	0000000000	000000000	23 0 0 0 0 0	0 0 42 0 0 0	0 0 0 0 0 0 0 0	00000000	000700000	0000000000	000000000000000000000000000000000000000	0 0 0 0 43 0	0000000000	0 0 0 0 7 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 5 20 0	000000000	0 0 0 0 0 1 17 0 0	0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 1 6 0 0	00000000000	000000000000000000000000000000000000000		0004
21 22 23 24 25 26 27 28 29 30	•••		000000000000000000000000000000000000000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		000000000000000000000000000000000000000	000000000000000000000000000000000000000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0004000	0004	14 0 0 0 0	00000000	000000000	0000000000	0000000000	0 0 0 0 0 0 0 0	0000000000	00000000	000000000	00000000	0000000000	000000000	000000000000000000000000000000000000000	***	0002000
31 MEAN		0 0	0	0	0	0	,	2	0	0	0	0	0	0	0	0	1	•	0	0	0	0	0	0		0

PERCENTAGE OF DATA VALID - 98.1 PERCENTAGE OF DATA INVALID - 1.9

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. .. INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEJS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE UNITS - 0.01 PARTS/MILLION

				202	W (1) W (1)	1000																			
	ST	ATION	- NE	NO	71001		29 HI	LLCRE	ST AV	E WA	WΔ					MON	TH - 5	EP	77						
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1 2 3 4 5 6 7 8 9	00000	000000	0 0 0 0 0	00000	0 0 0 0 0	0 0 0 0 0	0 0 0 0 0	0 0 0 0 0	3 0 0 0 0 0	18 0 0 0 0 0 0	3 0 0 0 0	- DA - DA	TA UN TA UN	O O O O O O O O O O O O O O O O O O O	ABLE ABLE ABLE	*	0 0 0 0 0	0 0 0 0	0 0 0 0 0	0 0 0	0 0 0	0 0 0	00000	0000	0 0 0
11 12 13 14 15 16 17 18 19 20	0 0 0	0 0 0		0 0	0 0 0	0000	0 0 0		0 0 0	0 0 0	0 0 0 0	- DA - DA 0 0 0	TA UN TA UN O O O O O O O	AVAIL AVAIL O O O O INVAL	ABLE O O O O O	*	00000	0 0 0	0 0 0 0	0 0 0	0 0 0	0000	0 0 0	0000	0 0 0
21 22 23 24 25 26 27 28 29 30	000000000000000000000000000000000000000	000000000000000000000000000000000000000	0 0 0	000000000000000000000000000000000000000	000000000000000000000000000000000000000	000000000000000000000000000000000000000	000000000000000000000000000000000000000	000000000000000000000000000000000000000	000000000000000000000000000000000000000	000000000	000000000000000000000000000000000000000	000000000000000000000000000000000000000	0 0 0 0 0 0 0 16 0 0	000000000000000000000000000000000000000	0000000000	0 0 0	000000000	000000000	000000000	0 0 0 0 0 0 0 0 0	000000000000000000000000000000000000000	00000000	000000000	000000000000000000000000000000000000000	5
MEAN	0	0	0	0	0	0	0	0	0	1	5	0	1	0	0	0	0	0	0	0	0	0	0	0	0.3

PERCENTAGE OF DATA VALID - 64.6 PERCENTAGE OF DATA INVALID - 10.4

PERCENTAGE OF DATA UNAVAILABLE - 25.0

NOTES 1. "**** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POL	LUTAN'	r - s	ULPH	UR DIC	XIDE								UNITS	- 0.0	01 PA	RTS/M	LLIO	4						
	STA	TION	NE	NO	71001	29	н	LLCREST	AVE	E WA	WΔ					MON	тн - (CT	77						
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 1	MEAN
1 2 3 4 5 6 7 8 9	0000000000	000000000	0 0 0 0 0 0 0 0 0	0 0 0 0 97 0 0	0 0 0 0 0 74 0	000000000	000000000	0 0 0 0 0 0 0 0 0	000000000	000000000	000000000000000000000000000000000000000	000000000	00000000	0000000	0 0 0 0 0 0 0 0 0	000000000000000000000000000000000000000	000000000	000000000	0 0 0 0 0 0 0 0	000000000	0000000000	0000000000	000000000	0 0 0 0 0 0 0 0	0 0 0 7 0 0 4 0
11 12 13 14 15 16 17 18 19	040000000	3 0 0 0 0 0	0 11 5 0 0 0 0	0 92 0 0 0 0	0 79 0 0 0 0	0 0 0 0 0 0 0 0	0 39 0 0 0 0 0 0 0 0 0	0 15 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0000000000	0 0 0 0 0 0 0 0	0 56 0 0 0 0 0	0 129 0 0 0 0 0	0 158 0 0 0 0 0	0 7 0 0 0 0 0	0 9 0 0 0 0 0 0 4 9	0 10 0 0 0 4 0 0 6	0 2 0 7 0 5 0 0 2	000300000	0 0 0 0 0 0 0 0	000000000	00000000	0 0 0 0 0 0 0	9 0 0 0 0 0 0 0 0	37 0 0 1 0 0 0	2 26 0 1 0 0 0 0 4
21 22 23 24 25 26 27 28 29 30	0 10 0 0 0 0 0 0	0 20 0 0 0 0 16 0	0 3 0 0 0 0 0 0 0 10 0	00000070	0 11 0 0 0 0 0 0 35 7	0 13 0 0 0 0 0	0000000040	0 2	3 26 0 0 0 0 0 0 0	38 0 0 0 0 0 0	1 46 0 0 0 0 0 28	000000000000000000000000000000000000000	72	000000000000000000000000000000000000000		0 0 0 0 0 0 0 0	000000000000000000000000000000000000000	0000000000	000000000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	31 0 0 0 0 0 0	000000000000000000000000000000000000000	0 0 0 0 0 0 0 176	0 0 0 0 0 0 0 0 0	2 B O O O O O 25 4
31	0	0	0	0	0	0	0	0	0	0	0	0	0	••••	0	0	0	0	0	0	0	0	0	0	0
MEAN	1	1	1	6	7	1	1	1	1	2	4	7	9	7	2	1	1	0	0	0	1	1	6	2	2.6

PERCENTAGE OF DATA VALID - 97.8 PERCENTAGE OF DATA INVALID - 2.0 PERCENTAGE OF DATA UNAVAILABLE - 0.1

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3, ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - SULPHUP & DXIDE

UNITS - 0.01 PARTS/MILLION

	51	ATION	- N"	NO	71001		29 H	LLCRE	ST AV	E WA	WA					MON	TH - 1	AOA	77						
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	9	84	13	32	6	0 6 0	93	7	4	30	94	15	17	137	62	13	0	0	0	0	0	0	0	0	26
5	0	2	1	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0 0 0 0	0	0	0	0
6	0	0	0	0	1	1	1	1	4	5	2	1	0	0	0	0	0	0	0	0	0	0	0	0	1
7		0	0	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	O	0	0	0		0	0	0	0	0	0	0	00000	D	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0	0
1.1	o	0	0	0	0	0	0	0	0	0	••••	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	• • • •	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0 0 0	0	0 0 0	0	0	0	0	0	0	0	0		0		0	0 0 0	0 0 0	0	0	0	0	0	0	0
14	0	0	0	0	0		0	0	0	0		0	0	0	0 0	0	0	0	0000	000	0	0000	0	0	0
15	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0		0	0	0		0		0	0	0	ō	0	0	0	0
17	0	0	0	0	0	0	0		0		0	0	0	0	0	0	0	0	0	0	ō	0	0	0	0
18	2	. 0	0	0	0	0 5	0	0	0	0		0	11	15	66	190	162	4	0	o	0	0	0	0	20
19	70	88	1	0	91	5	56	23	2	2	0	24	38	0	7	7	0	0	0	0	0	0	0	0	17
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	••••	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	••••	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0		-	-	-	200	was fi			•	•	•				•	•	
23							9 0	4.5	100	02	-		DATA			72	100					22	100	223	
24	****			-			200		- 55	0	0	0	9	37	2	7	0	0	0	0	0	0	0	0	
25	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0		0	0	0		0	0	0	0	0	0	ō	0	0	0	0	0	0	0
27	0	1	3	2	2	2	1		1	0	0		0	Õ	0	0	0	ŏ	0 0 0 0	0	. 0	0 0 0	0	0	0
28 29	0	0	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0		****	0	0	0	. 0
29	0		0	0			0	0	0	0	••••	0	0			0	ō	0		0	0	0		0	0
30	0	0	0	0	0	0	0	0	0	0	••••	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	3	6	1	1	4	1	5	1	0	1	5	2	3	7	5	8	6	0	0	0	0	0	0	0	2.4

PERCENTAGE OF DATA VALID - 90.3

PERCENTAGE OF DATA INVALID - 5.7

PERCENTAGE OF DATA UNAVAILABLE - 4.0

NOTES 1. ****** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. -- INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

POLLUTANT - SULPHUR DIOXIDE UNITS . O.O. PARTS/MILLION STATION - NE NO 71001 29 HILLCREST AVE WAWA MONTH - DEC 77 HOUR 13 14 15 24 MEAN 2 3 4 5 6 7 8 9 12 13 14 15 16 17 18 19 20 ...0 N000000000 00000.00000 0 0 22 23 24 25 26 27 28 29 30 38 0 16 0 0 0 0 0 ...0 0-00000000 31 1 0 0 0 0 0 0 0 25 16 8 MEAN 1.1

PERCENTAGE OF DATA VALID - 96.0

PERCENTAGE OF DATA INVALID - 4.0

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1977

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1977

The second secon	or rounce and 2 hour	CT DATA FOR 1317		
POLLUTANT - SULP	HUR DIOXIDE		UNITS - 0.01 PARTS/MILL	ION
STATION - NE NO	71001 29 HILLÓR	EST AVE WAWA		
MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	1.8	9	130
FEB	28	0.7	7	56
MAR	31	0.8	15	137
APR	30	0.5	5	19
MAY	29	0.1	Ť	26
JUN	30	0.3	3	23
JUL	31	0.3	3	52
AUG	30	0.4	4	43
SEP	19	0.3	5	106
OCT	31	2.6	26	176
NOV	27	2.4	26	190
DEC	31	1.1	8	175
YEAR	348	1.0	26	190

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

POLLUTANT -	SULPHUR D	IOXIDE				UNITS - C	.01 PARTS/MILLION
STATION -	NE NO 710	001 29	HILLCREST	AVE WAWA			
MONTH	00 TO 04	05 TO 10	11 TO 14	15 TO 25	26 TO 39	40 &OVER	TOTAL
MAL	668	32	7	13	9	6	735
FEB	641	3	4	7	3	2	660
MAR	712	1.4	2	2	2	5	737
APR	681	23	2	3	0	0	709
MAY	693	6	0	0	t	0	700
JUN	704	9	1	3	0	0	717
JUL	730	2	1.	2	0	1	736
AUG	715	6	3	4	0	2	730
SEP	462	0	0	2	0	.1	465
oct	682	1.4	3	5	10	14	728
NOV	616	10	3	5	4	12	650
DEC	675	20	4	10	3	2	714
YEAR	7979	139	30	56	32	45	8281

FREQUENCY		ION BY	PERCENTILES									
	OF DATA VALID	MIN	10	30	FREQUENCY 50		TRATIONS IBUTION. 90		98	99	MAX	ARITH MEAN
	94.5	0	0.0	0.0	0.0	0.0	0.0	1.9	9.8	23.1	190	1.0

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

	POL	LUTANT	- 5	ULPHU	F 0 J	x I D E							Į,	INI 15	- 0.0	1 PAR	TS/M	LLIO	N							
	STA	TION -	NL	NO 7	1002	G	OUDRE	AU AL	GOMA							MONT	н - 1	YAN	77							
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1 2 3 4 5 6 7 8 9												- DAT	A UNA A UNA A UNA A UNA A UNA A UNA A UNA	AVAILA AVAILA AVAILA AVAILA AVAILA AVAILA AVAILA	BLE BLE BLE BLE BLE BLE BLE											
11 12 13 14 15 16 17 18 19	. 00	. 0	. 0	. 00	000	00	. 0	. 2	10 0	20 2	8 8	- DAT - DAT - DAT - DAT	A UNI	AVAILA AVAILA AVAILA AVAILA AVAILA AVAILA	ABLE ABLE ABLE ABLE ABLE		1 2 9	1 1 3	15 0 2	9 0 7		4 0 11	1 0 4	000		· · · · · · · · · · · · · · · · · · ·
21 22 23 24 25 26 27 28 29 30	2200104600	0 8 0 0 0 0 3 3 0 0 0	3 5 0 0 0 0 2 3 0	11 2 0 0 0 0 1 2 0	0 1 0 0 0 1 1 0 0 0	0000001100	18 0 0 0 0 0 0 0 0	8 1 0 0 1 0 0 1 0 0 0	0 0 0 0 0 0 0 0	26 2 0 0 0 0 1 0 0 2	7 2 0 0 0 0 5 0 0	1 6 0 0 0 0 8 0 0	6 1 0 0 0 10 0 10	4 1 0 0 0 0 11 0 0	1 1 0 0 0 1 1 1 1 0 0 0	1 1 0 3 0 8 14 0 0	1 0 11 0 8 18 0 0	1 1 0 12 1 2 20 0 0	8 1 0 7 0 1 1 19 0 0	1 0 2 0	0000	59 0 6 0 2 12 0 0	11 0 0 4 0 3 17 0 0	111000		8 2 0 2 0 1 8 1 0
MEAN	1	1	1	1	0	0	2	1	1	4	3	2	2	2	2	3	4	3	4	4	0	7	3	4	1	2.3

PERCENTAGE OF DATA VALID - 41.3 PERCENTAGE OF DATA INVALID - 1.1 PERCENTAGE OF DATA UNAVAILABLE - 57.7

- NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE
 - 2. "-" INDICATES DATA IS UNAVAILABLE
 - 3. ****** INDICATES LEJS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POL	LUTAN	i - :	SULPHI	JR DIO	XIDE							ı	JNITS	- 0.0	01 PAF	RTS/M	ILLION	4						
	STA	TION	- NE	NO .	71002		OUDRE	EAU AL	GOMA							MONT	гн	JUN	77						
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24)	MEAN
1 2 3 4 5 6 7 8 9	0 0 0 0 0 0 7	0 0 0 0 0 0 4	1 1 0 0 0 1	0 0 0 0 0 0 1	00.100000	00.000001	150000	0 18 5 1 0 0 0	0 0 1 7 4 0 0 0 45	0000600000	00000000	0 0 0 7 0 0 0 0 0 2	00000000	00000004	7 0 0 0 0 0	1000000	0 4 5 0 0 0 1	900000	0 0 14 15 0 0 0	0000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 1 2 0 0 0 0 23	0 0 0 0 13 0	0 0 4 1 0 0 0 3 6
11 12 13 14 15 16 17 18 19	6 0 0 0 2 9	7 0 0 0 1 1 0 2 10 0	26 0 0 0 0 0 0 1 13	26 0 0 0 0 0 0	0 0 0 0 0 0 0	000000000000000000000000000000000000000	000000000000000000000000000000000000000	0 0 0 0 1 0 4 0	0 0 0 0 0 0 5 0	200000000000000000000000000000000000000	1 0 0 0 0 2 11 0 0	0 0 0 0 3 1 0 0 0	0 0 0 1 13 6 0	0 0 0 4 12 8 0	0 0 0 1 8 8 0 0	0 0 0 0 0 0 0	00004014600	0 0 0 1 0 12 2	0 0 0 0 15 2 0 0	0 0 1 0 0 16 3 0	0 0 23 0 0 33 4 0	0 0 15 1 0 27 7 0	0 0 10 1 0 18 13 0	0 0 6 2 1 7 10 0	3 0 0 2 1 2 9 2 3
21 22 23 24 25 26 27 28 29 30	0 0 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	0 0 2 19 19 0 1 0 2 3	0 0 2 6 10 0 1 0 2 3	0 0 2 1 5 0 1 0	0 0 2 1 4 0 1 0	0 0 1 1 3 0 1 0 20 8	0 1 0 1 2 24 1 0 4	0 3 0 0 1 12 1 0 4	0 3 0 0 1 8 1 0	0 1 1 0 0 0 0	150051000	0 1 8 6 0 10 0 0	0 0 1 7 0 6 0 0	0 0 8 0 11 0 0	0 4 3 12 0 9 0 0	7 0 1 0 0 0	0 0 1 6 0 1 0 2 0	0 0 1 0 4 0 0	0 10 6 0 1 0 14 0	0 9 2 0 1 0 10 0 0	0 3 1 0 0 0 0 6 0 1	0 4 0 0 1 0 6 1	0 8 8 1 0 0 0 5 3	0 6 1 5 0 0 6 4 11	0 2 3 4 2 4 0 2 3 3
MEAN	1	3	2	3	1	1	2	3	3	1	1		1	2	2	1	2	1	3	2	3	3	3	3	2.0

PERCENTAGE OF DATA VALID - 95.6 PERCENTAGE OF DATA INVALID - 1.3

PERCENTAGE OF DATA UNAVAILABLE - 3.2

- 2. -- INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNITS - 0.01 PARTS/MILLION

	STA	MOITA	- NE	NO	71002	(OUDRE	AU AL	GOMA							MON	тн - ,	JUL	77						
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 N	EAN
1 2 3 4 5 6 7 8 9	000000000000000000000000000000000000000	7 0 15 0 0 0 1 26 0	21 0 3 0 0 0 0 1 9	15 0 1 0 0 0 1 0 0	18 0 1 0 0 0 0	25 0 0 0 0 0 5 0 0	8 0 0 0 0 0 0 1	0 0 0 0 0 0 12 0 1	0 0 0 0 0 0 3 0 1	0 0 0 0 0 0 0 0	0 5 1 0 0 1	0 6 20 0 3 0 8 0	0 4 15 0 6 0 5 0 4	0 0 0 0 1 0 10 0 4	0 0 0 0 1 4 10 0 4	0 11 0 0 0 1 8 12 0 4	0 13 0 0 0 0 3 4 0	0 13 0 0 0 0 12 0	0 16 0 0 0 0 14 0 0 0	0 16 0 0 0 0 11 0 0 0	0 23 0 0 0 0 0	0 26 0 0 0 1 7 0	0 15 0 0 0 0 0 0 0	0 8 0 0 0 2 20 0	4 7 2 0 0 1 4 5
11 12 13 14 15 16 17 18 19 20		0 0 5 0 3 8 0 0	0 0 1 0 2 7 0 0	0 0 0 0 1 1 0 0 15	0 0 0 0 2 1 0 0 0	0 0 0 0 2 2 0 0 0 0 10	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 6	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 1	0 0 0 0 0 0 0 1	0 0 0 3 0 0 0 3	0 0 0 0 0 0 0 4	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 9 1 12 0 0	0 0 21 0 11 0 0 0	0 0 24 0 4 0 0 0	0 0 12 5 9 0 0 0	0 0 9 13 0 0 4 4	0 4 0 10 13 0 0 0 2 7	0 16 0 0 8 0 0 0	0 10 1 4 0 0 0 18 3	0 1 1 1 2 4 0 0 5	3 2 3 2 1 0 1 6
21 22 23 24 25 26 27 28 29 30	000000000000000000000000000000000000000	0 3 5 0 0 14 0	0 0 13 0 0 0	0 0 0 0 0 0 0 0 0	0 0 5 0 0 0 0 0	0 1 1 0 0 8 0	0 0 0 0 0 0 0 0 0	0 0 4 0 0 0 6 0 0 0	0 0 23 0 0 0 44 0	0 0 10 0 0 0 35 0	0 0 2 0 0 0 2 1 3 0	0 0 0 0 15 0 0	0 9 0 0 20 0	0 8 0 0 0 15	0 11 7 0 0 0 12 1	0 12 3 0 0 0 0 0 0 0 0 0	0 9 2 0 0 0 12 0 0	0 1 2 0 0 0 8 0 0 0	0 5 2 0 0 0 1 0 0 2	0 11 2 0 0 4 8 0 0	0 17 3 0 0 15 19 0	0 24 4 0 0 10 47 0	0 26 1 0 0 4 33 0	0 19 1 0 0 16 13 0	0 6 4 2 0 2 15 0 0 1
31 MEAN	0	0	0	0	0	0	0	1	1	2	0	0	0	5	7	2	0	0	0	0	0	0 5	0	0	1 2.3

PERCENTAGE OF DATA VALID - 98.5 PERCENTAGE OF DATA INVALID - 1.5

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. "**** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. """ INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	PO	LLUTAN	T - 9	SULPH	UR DIO	XIDE			UNITS - 0.01 PARTS/MILLION ALGOMA MONTH - AUG 77																
	ST	ATION	NE.	NO :	71002	(SOUDRE	EAU AL	GOMA							MONT	тн - ,	AUG	77						
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1 2 3 4 5 6 7 8 9	000000000000000000000000000000000000000	000000000000000000000000000000000000000	0 1 0 1 0 12 0 0	0 0 1 0 4 0 0 0 0	0 0 14 0 3 0 0 0 0	0 0 7 0 1 1 1 0 0	0 0 14 0 6 9 5 0 0 0	0 9 0 15 27 16 0	0 0 7 0 5 1 12 0 0 0	0 0 0 0 13 1 2 0	0 0 0 0 0 0 0	0 0 0 3 5 5 0 0 0 0	0 0 0 5 4 1 0 0 0 0	0008620000	0 0 1 5 3 0 0	0 1 15 11 1 6 0 2	0 3 1 9 13 1 0 0	0 7 5 1 4 0 0 0	0 9 5 0 1 1 0 0 0	0 18 5 0 0 2 0 0 0 5	0 16 3 0 1 11 0 6 3	0 9 3 1 8 14 0 0 12 3	0 5 0 1 3 25 0 0 6	0 4 0 1 0 24 0 0 2 5	0 3 3 2 5 6 3 0
11 12 13 14 15 16 17 18 19 20	0 1	10 2 7 1 0 0 0 0	19 8 1 0 0 0 0 0	3 14 4 0 0 0 0	0 15 5 0 0 0 0	7 8 1 0 0 0 0 0 0 0 0 0	7 7 0 0 0 0 0 0 0 0 0 0 0 0 0	8 6 0 0 0 0 0	1 4 0 0 0 0 0 0 0 0 0 4	0 4 0 0 0 0 0 0 0 0 0 0 0 1 1	0 0 0 0 0 0 0 0 10	000000001	0000000000	003000000	0 0 3 1 0 0 0 0 0	0001000001	0000000000	000000000	0100000000	050000033	900010024	0 6 0 0 0 1 0 0 2 0	0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 1 0	2 4 1 0 0 0 0 0 0 0 2
21 22 23 24 25 26 27 28 29 30	000000000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 1 0 0	0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 8 0 0	0 0 0 0 0 4 0 0	0 0 0 1 0 0 0	0 0 0 0 1 3 0 0 9 0 0	0 0 0 0 13 0 2 10 0	1 0 0 0 3 0 7 1 0	4 0 0 0 0 0 0 0 0	600040000	0 0 0 3 0 1 0 0 0	3 0 0 0 1 0 0 0 0 0 0	0 0 0 0 1 0 3 0 0 0	0 0 0 5 0 0 0	0 0 0 10 0 0 0	0 0 0 0 0 0 0 0	0000600000	0000000000	0 0 0 0 0 0 0	0000000000	000000000000000000000000000000000000000	1 0 0 0 3 0 1 2
31 MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0	0	0	2	9	4	0	0	0	1
m E AN	U	1	- 1		3	- 3	- 2	3	2	2	- 1	1	1	1	1	1	1	1	4	2	2	2	2	1	1.3

PERCENTAGE OF DATA VALID - 99.1 PERCENTAGE OF DATA INVALID - 0.9

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNITS - 0.01 PARTS/MILLION

	POL	LUTANT	- 50	LPHU	R DIO	IDE								OMI 13	0.0	J. F.A	n 1-27 m 1	LLION								
	STA	TION -	NE	NO 7	1002	G	OUDRE	AU AL	GOMA							MON	TH - S	EP	77							
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1 *** 2 3 4 5 6 7 8 9	0 0 4 0 0 0	0 0 1 0 0	0 0 0 0 0	4 0 0 1 0	6 0 0 2 0 0 0	B 0 0 1 0	000000	0 0 0 0 0	000000	00000		0 0 0 0	0 1 0 0 0 0	0 0 0 0 0	0 0 0 0 0	0 6 1 0 0	0 0 0 0 0	0 7 4 0 0 0	0 18 4 0 0	0 18 2 0 0	0 2 0 0 0 0 0	0000000	00000	90000		13100000
8 9 10	ō	0	ō	0	0	0	0	0	0	0	0			O INVAL INVAL		0	0	o	0	0	Ü	Ü		# B X **		•
11 12 13 • 14 15 16	0				•••	0	0	0	0		::::	- DA - DA - DA	TA UP	INVAL INVAL O - NAVAIL NAVAIL NAVAIL	D - O - ABLE ABLE	•	0	•	o .	•	0	0	0	0		••
18 19 20												- DA	TA U	NAVAIL	ABLE											
21 22 23 24 25												- DA - DA - DA	TA U	NAVAIL NAVAIL NAVAIL NAVAIL NAVAIL	ABLE ABLE ABLE ABLE											
26 27 28							0		0	0	0	0	0	0	0	, 0	0	0	000	0	0	0	0			0
29 30	ō	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	ŏ	0		I.	0
MEAN	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	1	1	1	2	2	0	0	1	,	0).4
PERCEN	TAGE	OF DA	TA VA	L10 -	41.0			PERCE				INVAL				P	ERCEN	TAGE (OF DAT	TA UN	AVAIL	ABLE	- 43.	2		

PERCENTAGE OF DATA UNAVAILABLE - 44.0

NOTES 1. ****** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. -- INDICATES DATA IS UNAVAILABLE
- 3. ******* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POL	LUTANI	· - s	ULPHI	JR DIO	XIDE			UNITS - 0.01 PARTS/MILLION JALGOMA MONTH - OCT 77																	
	STA	TION .	NE	NO '	71002	G	OUDRE	AU AL	GOMA							MON	гн - с	CT	77							
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	ĺ
1 2 3 4 5 6 7 8 9	0 0 0 0 0 0 0 0	000000000000000000000000000000000000000	000000000000000000000000000000000000000	0000000400	0 0 0 0 0 4 0 0	000000000000000000000000000000000000000	0000000000	0 0 0 0 0 0 1 0 0	000000000	0000000000	0000000000	000000000	000000000	0000000000	0 0 0 0 0 0 0 0	0004000000	000000000	000000000	000000000	000000000	000000000	000000000	0008000000	0 0 32 0 0 0 0		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
11 12 13 14 15 16 17 18 19		0 2 0 2 0 0 0 0	0 1 0 1 0 0 0 0	0 0 0 4 0 0 0	00000	00040000	0 0 0 1 0 0 0 0	170000	0 0 1 18 0 0	0 0 1 5 0 0 0 -	10000	O O O O O O O O D D DATA		0 0 2 1 0 0 0 0 0			0000000	000000	0 0 0 0 0 0 0 0	000000	000000	0000000	0000000	000000		3000
21 22 23 24 25 26 27 28 29 30												- DATA	7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	AVAILA AVAILA AVAILA AVAILA AVAILA AVAILA AVAILA	BLE BLE BLE BLE BLE BLE BLE BLE											
MEAN	0	0	0	0	1	0	0	1	1	0	í	0	0	0	0	0	0	0	0	0	0	0	0	2		0.4

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE 2. *- INDICATES DATA IS UNAVAILABLE

3. ****** INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

PERCENTAGE OF DATA VALID - 55.9 PERCENTAGE OF DATA INVALID - 0.1

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1977

POLLUTANT · SUL	PHUR DIOXIDE		UNITS - 0.01 PARTS/MIL	LION
STATION - NE N	0 71002 GOUDREAU	ALGOMA		
MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN		DATA UNAV	AILABLE	
FEB		DATA UNAV	AILABLE	
MAR		DATA UNAV	AILABLE	
APR		DATA UNAV	AILABLE	
MAY	12	2.3	8	59
JUN	29	2.0	9	45
JUL	31	2.3	15	47
AUG	31	1.3	6	27
SEP	11	0.4	3	18
OCT	17	0.4	3	32
YEAR	131	1.6	15	59

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1977

POLLUTANT - SULPHUR DIOXIDE UNITS - 0.01 PARTS/MILLION

STATION -	NE NO 710	002	GOUDREAU ALG	OMA							
MONT	H 00 TO 04	05 TO	10 11 TO 14	15 TO 25	26 TO 39	40 &OVE	R TOT	AL			
JAN		DATA U	NAVAILABLE								
FEB		DATA U	NAVAILABLE								
MAR		DATA U	NAVAILABLE								
APR		DATA U	NAVAILABLE								
MAY	257	:	29 10	9	1		1	307			
JUN	589		58 19	16	5		1	688			
JUL	618		54 26	28	5		2	733			
AUG	659		52 16	9	1		0	737			
SEP	286		7 0	2	0		0	295			
OCT	408		5 0	2	1		0	416			
YEAR	2817	20	05 71	66	13		4 3	176			
FREQUENCY	DISTRIBUTI	ON BY PE	ERCENTILES		CONCE	TRATIONS					
	OF DATA VALID	MIN	10	FREQU 30 50	ENCY DISTR	RIBUTION.	PERCENT				ARITH
		-200				90	95	98	99	MAX	MEAN
	71.9	0	0.0	0.0 0.0	0.0	5.1	9.8	15.4	20.1	59	1.6

UNITS - 0.01 PARTS/MILLION

	ST	ATION	- ASC	NO	71038		LUCIE	PIT	A LGOM	A ORE	AWAW					MON	TH -	JAN	77						
HOUR	1	2	3	4	5	6	7	8	9	10	1,1	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1 2 3 4 5 6 7 8 9	0 0 0 0 0 0 0	000000000000000000000000000000000000000	000000000000000000000000000000000000000	000000000000000000000000000000000000000	000000000000000000000000000000000000000	0 0 0 0 0 0 0 0	0000000	00000000	00000000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	000000000	0 3 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	000000000000000000000000000000000000000	0 0 0 0 0 1 8 0	0 0 0 0 0 6 19 0	0 0 0 0 0 13 13	000000000000000000000000000000000000000	0000050	00000040	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0000004	000000000000000000000000000000000000000	0 0 0 0 0 0 1 1 3 0 0 0 0 0 0 0 0 0 0 0
11 12 13 14 15 16 17 18 19	000000000	0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0	000000000000000000000000000000000000000	000000000000000000000000000000000000000	000000000000000000000000000000000000000	000000000000000000000000000000000000000	0000000004	00000000	000000000	000000000	0000600000	00000000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	000000000000000000000000000000000000000	000000000	00000000	00000000	000000000	0000000000	000000000	000000000	000000000	000000000000000000000000000000000000000	000000000000000000000000000000000000000
21 22 23 24 25 26 27 28 29 30	000000000	0 0 0 0 0 0 0	00000000	000000000	0	000000	000000000000000000000000000000000000000	000000000000000000000000000000000000000	0000003	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0			0 0 0 0 0 0 17 17	0 0 0 0 47 74	0 0 0 6 46	0000060	000000000000000000000000000000000000000	0 12 0 0 0 0	0 15 0 0 0 0 0 12 0	7 0 0 0 0 0	2000000	0 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2 0 0 0 0 0 3 6
31 MEAN	0	0	0	0			-	0	0	0	0	0	0	0			0	0	0	0	0				

PERCENTAGE OF DATA VALID - 94.6

PERCENTAGE OF DATA INVALID - 5.4

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. "**** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. .. INDICATES DATA IS UNAVAILABLE
- 3. ******* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

POLLUTANT - SULPHUR DIOXIDE UNITS - 0.01 PARTS/MILLION MONTH - FEB 77 STATION - ASC NO 71038 LUCIE PIT ALGOMA ORE WAWA 24 MEAN 21 22 23 11 12 16 17 18 HOUR 3 4 5 6 7 8 9 10 0 0 .0000000 0 0 57 0 0 0 0 0 41 0 0 0 19 0 0 0 0 1 0 0 0 1 67 00 00 12 13 14 15 16 17 18 19 20 .000000 .000000000 0000. 0 0 0 13 0 0 00. 000:1200 22 23 24 25 26 27 28 10 0 24 0 56 0 0.7 MEAN

PERCENTAGE OF DATA VALID - 90.5

PERCENTAGE OF DATA INVALID - 9.5

PERCENTAGE OF DATA UNAVAILABLE . 0.0

- 2. -- INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNITS - 0.01 PARTS/MILLION

																O. P.	H 137 M	11110	134						
	STA	TION	ASC	NO	71038		LUCIE	PIT	ALGOMA	ORE	WAWA					MON	TH -	MAR	77						
DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1 2 3 4 5 6 7 8 9	0 17 9 0 0 0 2 0 0 4	0 0 0 0 12 0 0 0	0 0 21 3 0 0 2 0	0 12 35 2 0 0 1 0	26 20 00 00 0	0 4 41 1 0 0 0 0	0 5 32 0 0 0 0 0 0 0	0 0 15 0 0 0 0 0	0 0 19 0 0 0 0 0 0 16	0 0 11 0 0 0 0 0 0	0 10 0 0 0 0 0	0 0 10 0 0 0 0	0 4 0 0 0 0 33 50	19 2 0 0 0 0 0	60 0 0 0 0 0	111 0 0 0 0 0 0 0 0 0	000000000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 5 0 0 0 8 6	15 13 0 0 0 0 0	0000000000	0000000000	0000000000	26 0 0 0 0 0 0 0	2 10 10 0 0 0 1 0 3 8
11 12 13 14 15 16 17 18	0 0 0 0 17 0 13 0 0	0 3 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 25 0	000000000000000000000000000000000000000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	000000400	0 0 0 0 0 0 0	000000000	0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 6	0 0 0 0 0 0 0 0 8 56	0 0 0 0 0 0 0 9 0 52 41	0 0 0 0 0 0 0 76	0 0 0 0 0 33 0 77 35	000000420970	29 0 0 0 0 0 0 30 0 111	2000000150244	0 0 0 52 0 18 0 97	96	0 0 0 74 0 14 0	0 0 0 0 22 0 21 0 2	0 0 0 4 0 13 0 0 0	0000008000	0 0 0 0 0 0 0 0	1 0 0 0 10 1 1 9 4 23 8
21 22 23 24 25 26 27 28 29 30	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	000000004	0 0 0 0 0 0 0	000000000	0 0 0 0 0 0 0 0 0	000000000	0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	000000000000000000000000000000000000000	000000	0 0 0 0 0 0 0	0000060000	000000000000000000000000000000000000000	0000040000	000000000000000000000000000000000000000	000000000000000000000000000000000000000	0000000000	050000000	0 86 0 0 0 0 0	0 57 0 0 0 0 0 0	24 000000000000000000000000000000000000	0400000000	0 0 0 0 0 0 35 0	0 7 0 0 0 2 1
31 MEAN	3	1	2	0	1	2	1	1	1	0	0	5	5	6	7	10	0	9	2	39 8	2	0	6	10	3.5

PERCENTAGE OF DATA VALID - 99.2 PERCENTAGE OF DATA INVALID - 0.8

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. "***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	P	OLLUTA	ANT -	SULP	HUR D	IOXID	E							UNIT	s - o	.01 P	ARTS/	MILLI	DN.						
	S	MOITAT	4 - A	SC NO	7103	В	LUCIE	PIT	ALGOMA	ORE	WAW	Λ.					NTH -		77						
DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1 2 3 4 5 6 7 8 9	000000000000000000000000000000000000000	0 0 0 0 0 0 0 0	000000000000000000000000000000000000000	0.0000	00.000000	00.000000	00.00000	000000000000000000000000000000000000000	0 0 0 0 0 0 0	0 0 0 0 0 4 104 0	0 0 0 0 0 0 38 0	0 0 0 0 0 3 18 0	25 0 0 0 0 0 10 46 0	4 0 0 0 0 7 15	26 0 0 0 0 0 0 0 43 0 61	0 0 0 0 5 0	80	000000000000000000000000000000000000000	000000000000000000000000000000000000000	000000000000000000000000000000000000000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	000000000000000000000000000000000000000	000000000000000000000000000000000000000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2 0 0 1 0 3 20
11 12 13 14 15 16 17 18 19 20	0 0 16 91 104 64 0	0 0 25 124 72 38 0 0	0 0 0 8 95 110 33 0	0 0 0 83 96 37 0	0 0 0 78 60 25 0	0 0 0 61 50 19 0	0 0 0 52 54 17 0	0 0 0 34 44 17 0	0 0 0 30 140 19 0	0 0 0 15 180 9 0	0 0 0 0 9 165 0 0 0	0 0 0 0 2 110 0 0 0	0 0 16 0 73 0	0 0 0 25 0 114 0 0	000000000000000000000000000000000000000	0 0 0 0 121 171 191 0	0 0 0 0 115 49 5 0 76	0 0 109 67 4 0	0 0 0 117 21 22 0 0 6	0 0 79 59 85 0 0	0 0 34 43 186 86 0 0	0 0 45 11 130 78 0 30	0 0 41 11 52 11 0 0	0 0 37 40 55 57 0 0	0 0 7 21 62 86 20 0
21 22 23 24 25 26 27 28 29 30	000000000000000000000000000000000000000	7 0 0 7 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	26 0 0 14 0 51	0 21 96 0 0 10 0 51	0 38 42 0 0 13 0	0 0 32 0 0 0 0 143	0 0 21 0 0 15 0	123 0 0 0 0 0 0 0 0 0 86	65 0 0 0 0 0 0 72 2	68 0 0 0 0 0 0 0 0 43	4 0 3 0 0 0 0 0 5 1	45 0 19 0 0 0 0 52 0	96 0 3 0 0 0 18 11 40	93 0 0 0 0 0 6 6	25 0 0 0 28 0 0 0 30	0 21 0 0 32 0 0	0 38 0 0 3 0 0 0 6	0 0 0 0 3 8 0 0 9 0	0 0 0 0 37 0 6	000000000000000000000000000000000000000	0 0 0 0 0 0 0 0 0 0 0 0 0 6 4 0 0 0	000000 40600	0 0 0 0 0 128 0 28	32 4 10 0 13 2 7 36 5
MEAN	10	10	9	1.1	12	13	1.1	9	19	16	12	7	11	12	14	25	13	12	10	12	14	13	В	4	12.3

PERCENTAGE OF DATA VALID - 92.5 PERCENTAGE OF DATA INVALID - 5.1

PERCENTAGE OF DATA UNAVAILABLE - 2.4

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNITS - 0.01 PARTS/MILLION

	51/	ATION	- 450	NO 1	71038		LUCIE	PIT	A LGOM	A ORE	WAWA	í				MON	TH -	MAY	77						
HOUR DAY	1	2	*	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1 2 3 4 5 6 7 8 9	0 0 0	0 0 0 0 0 0 0 0	0000		000000000000000000000000000000000000000	000000000	0 3 0 0 0 0 0 0 0	7 0 0 0 0 0	32 0 0 0 0 0	400000000000000000000000000000000000000	0005000000	27 0 0 54 0 0 7 0	11 0 0 23 0 2 0	0 0 74 0 0 0	13 0 0 22 0 0 0	18 1 0 0 0 0 0 0	0 32 24 0 0 0 0	0 5 48 23 0 0 0 55	0 0 112 0 11 0 9 0 0	0 0 77 28 0 0 26 0	59 0 0 19 0 0	0 0 31 13 16 0 0 0	0 0 17 20 9 0 7 0 6	0 0 12 37 0 0	4 0 15 14 4 1 3 0 0
11 12 13 14 15 16 17 18 19	41 0 0,6 0 3	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	000000000000000000000000000000000000000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 5 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0	17 1 0 0 0 0 0 0 0	0 0 0 0 0	41 45 0 0 28 0	16 28 0 0 36 0		DATA	0 0 0 47 0 0 1 1 1 1 1 1 1 1		0 0 0 0 0 35	0 0 0 0 0 0 25	16 7 0 0 0	49 3 0 63 0 68	50 0 0 68 0 0 56	39 0 0 24 0 0 26	9 0 0 37 0 0 20	0 0 0 0 0 0 13	0000	11 6 0 8 6 0
21 22 23 24 25 26 27 28 29 30							•						DATA DATA DATA DATA DATA DATA DATA DATA	INVALI INVALI INVALI INVALI INVALI INVALI INVALI INVALI INVALI	10 - 10 - 10 - 10 - 10 -										
31 MEAN	4	1	0	0	0	1	0	1	2	7	5	6	DATA 2	INVALI 7	ID -	4	6	9	21	18	10	8	4	3	5.2

PERCENTAGE OF DATA VALID - 54.4

PERCENTAGE OF DATA INVALID - 44.2

PERCENTAGE OF DATA UNAVAILABLE - 1.3

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

POLLUTANT - SULPHUR DIOXIDE

3. "***** INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

UNITS - 0.01 PARTS/MILLION

STATION - ASC NO 71038 LUCIE PIT ALGOMA ORE WAWA MONTH - JUN 77 HOUR 9 10 11 12 13 14 15 16 17 18 19 8 20 21 22 23 24 MEAN - DATA INVALID DATA UNAVAILABLE
DATA UNAVAILABLE
DATA UNAVAILABLE
OATA UNAVAILABLE
DATA UNAVAILABLE
DATA UNAVAILABLE
DATA UNAVAILABLE
DATA UNAVAILABLE
DATA UNAVAILABLE
DATA UNAVAILABLE

10 11 12 13 14 15 16 17 18 19 20 - DATA UNAVAILABLE - DATA UNAVAILABLE
- DATA UNAVAILABLE
- DATA UNAVAILABLE
- DATA UNAVAILABLE DATA UNAVAILABLE DATA UNAVAILABLE - DATA UNAVAILABLE
- DATA UNAVAILABLE
- DATA UNAVAILABLE
- DATA UNAVAILABLE
- DATA UNAVAILABLE
- DATA UNAVAILABLE
- DATA UNAVAILABLE
- DATA UNAVAILABLE
- DATA UNAVAILABLE
- DATA UNAVAILABLE
- ***** O O 21 22 23 24 25 26 27 28 29 30

0 0 0 0 2 0 0 0 ***** 0 0 0 2 0 0 0.3

PERCENTAGE OF DATA VALID - 1.5

PERCENTAGE OF DATA INVALID - 1.8

PERCENTAGE OF DATA UNAVAILABLE - 96.7

- "-" INDICATES DATA IS UNAVAILABLE
- 3. ******* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - SULPHUR DIOXIDE UNITS 0.01 PARTS/MILLION

	ST	MOITA	- AS	C NO	71038	3	LUCIE	PIT	ALGOM	A ORE	WAW,	Д				MON	TH .	JUL	77						
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	1.7	18	19	20	21	22	23	24	MEAN
3	2	9	0	0	0	0	0	***	****	***	****	0	0		0	0	0	0	0	0	0	0	0	0	1
2	0	0	0	0	0	0	0	49	33	24	10	19	29	9	6	0	8	2	5	0	4	0	3	0	8
3	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	G	0	0	0	0	o	0	0	0	0	0	0	0	0	0	0	O	0	0	0	0
5	o	0	0	ő	0	0	0	Ö	0	ő	o	ő	0	ō	o	ő	0	o	o	ő	4	4	я	7	1
6	5	0		0	0	0	0	0	0	o	Ö	0	o	1	o	o	0	o	ő	ő	ō	0	ñ	0	0
7	0	0	~ ~		0		0	0		2	9	0	11	18	ő	ő	3	o	4	0	0				2
	U	U	U		U		0	0	0			U											0	0	
8	****	****	****	****	***	****			****	****				6	8	41	93	13	39	0	0	0			
9	0	0	D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	4	7	4	0	1
10	4	3	3	3	0	0	0	0	0	0	12	35	67	40	24	0	0	0	0	0	0	0	0	0	8
1.1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15	19	83	115	4	0	7	2	1.2	1.1
13	88	27	18	100	54	43	4	0	0	0	0	0	0	9	0	0	0	0	115	126	145	31	0	0	32
1.4	0	0	0	0	0	0	0	0	Ö	4	0	0		- 2				*			-		- 2		*****
15	-			-		-						- D	TA UN	AVAIL	ABLE										
16														AVAIL											
17														AVAIL		9									
18												- 0			D	0	0	0	0	0	0	0	0	0	*****
		-	-						-								7			****		o	ő	ő	
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	ó	0	0		0		2	0	6
20	0	17	20	6	0	32	0	0	0	0	5	6	*	*.	6	9	U	2	0	4	6	11	2	.0	
21	0	0	0	3	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	3	1.1	12	5	7	26	30	2	7	6	5	5	30	7	6	29	3	5	3	4	9
23	50	1.1	51	4	0	0	0	0	0	9	11	1.1	7	0	8	6	16	21	46	27	29	51	49	****	18
24	****	****		****	****		****	****			0	0	0	0	0	0	0	0	4	1	1	0	0	0	*****
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	ō	6	52	40	4	0	4
27	90	199	179	24	0	0	0	o	o	0	0	0	0	o	0	ŏ	2	35	26	11	4	70	0	0	27
28	0	0	0	0	ő	0	0	0	0	o.	28	55	52	o	ŏ	ő	ō	0	0	o	0	0	17	106	
29	41	5	132	73	31	9	0	0	0	0	0	0	0	0	ő	o	ő	ő	0	ő	0	0	ó	0	12
										0	0		0	0		0	90					0	0	o	15
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	90	145	134	0	0	0	U	U	19
31	0	0	0	****	• • • •	****	****	****		****	****	79	67	1.1	4	0	0	0	0	0	0	0	0	0	10
MEAN	1.1	11	16	9	4	4	1	2	2	3	4	8	10	4	2	3	10	11	18	8	9	9	4	5	7.1

PERCENTAGE OF DATA VALID - 81.0 PERCENTAGE OF DATA INVALID - 5.8

PERCENTAGE OF DATA UNAVAILABLE - 13.2

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
 - 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POL	LUTANT	- \$0	LPH	UR DIOX	IDE								UNITS	- 0.0	1 PAR	TS/MI	LLION	4						
	STA	TION -	ASC	NO	71038		LUCIE	PIT	ALGOMA	ORE	WAW	А				MONT	а - н	UG	77						
HOUR	1	2	3	4	5	6	7	8	9	10	1.1	12	13	1.4	15	16	17	18	19	20	21	22	23	24	MEAN
1 2 3 4 5 6 7 8 9	0 0 0 25 29 69 0	0 0 0 16 19 20 0	0 0 0 3 5 6 4 0	0 0 3 . 0 4 7 0 . 0	0 0 0 8 10 17	000.3400.0	0 0 0 0 0 0 0	0 0 0 15 7 0 0	0 0 0 0 18 0 0 0 0	30 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 22 8 31	0 11 1 28	0 15 0 4	0 0 2 2 2 0 0 0 0	. 0 . 0 0 0 0 . 0 0	0 22 15 0	0 74 17 0 76 33	3 0 67 40 0	38 0 72 28 0	93 . 0 4 0 0 . 0 0	0 69 2 86 1 0	0 13 17 23 0 0	9 22 2 0	22 10 10
11 12 13 14 15 16 17 18 19	17	0	0	26	17	0	o	0			•	- DAT - DAT - DAT - DAT - DAT - DAT - DAT	A UN A UN A UN A UN A UN A UN A UN		BLE - BLE - BLE - BLE - BLE - BLE - BLE -				-		-	•		-	*****
21 22 23 24 25 26 27 28 29 30												- DAT - DAT - DAT - DAT - DAT - DAT - DAT	A UN A UN A UN A UN A UN A UN A UN	AVAILA AVAILA AVAILA AVAILA AVAILA AVAILA AVAILA AVAILA	BLE -										
31 MEAN	16	6	5	4	6	1	,	2	2	4	9	- DAT	A UN	AVAILA 3	BLE .	. 0	7	29	17	0.2		20	0	5	8.0
		_	~	-				-		-4	9	9		3	3	0	1	29	1.7	23	12	20	9	5	8.0

PERCENTAGE OF DATA VALID - 25.4 PERCENTAGE OF DATA INVALID - 0.3

PERCENTAGE OF DATA UNAVAILABLE - 74.3

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

MONTHLY SUMMARY OF HOUSEY AND 2-HOURLY DATA FOR 1977

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - ASC NO	71038 LUCIE PIT	ALGOMA ORE WAWA		
MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
	28	0.7	6	74
FEB	28	0.7	4	67
MAR	31	3.5	23	111
APR	27	12.3	86	191
MAY	17	5.2	15	112
JUN	0	0.3	****	2
JUL	24	7.1	32	199
AUG	6	8.0	22	93
YEAR	161	5.0	86	199

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1977

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - ASC NO 71038

LUCIE PIT ALGOMA ORE WAWA

MONTH 00 TO 04 05 TO 10 11 TO 14 15 TO 25 26 TO 39 40 SOVER TOTAL

JAN	679	11	4	6	1	3	704
FEB	595	3	3	2	0	5	608
MAR	652	22	10	20	13	21	738
APR	513	19	10	24	22	78	666
MAY	330	17	В	18	15	17	405
JUN	11	0	0	0	0	0	1.1
JUL	486	39	12	13	17	36	603
AUG	137	10	3	20	9	10	189
YEAR	3403	121	50	103	77	170	3924

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT
OF DATA
VALID
MIN
10
30
50
70
90
95
98
99
MAX
MEAN
67.3
0
0.0
0.0
0.0
0.0
10.4
33.3
71.5
99.8
199
5.0

UNITS - 0.01 PARTS/MILLION

														20.11.7										
	STA	TION .	NE	NO	71049	LA	ND RE	OFFIC	E QUEE	N ST.	SAULT	STE A	MARIE		MONT	H × s	JAN	77						
HOUR	1	2	3	4	5	6	7	8 9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1 2 3 4 5 6 7 8 9	1 0 1 0	1 0 1 0	1 1 2 0 1	1 1 1 1 1	1 1 1 0	1 1 0 1	1 1 1 1 1 1	1 1 1 1 1 0 0 0 0 0		0 1 0 1 0	- DAT	A UNA	AVAILA AVAILA AVAILA 1 O 1 O 1	BLE -		1 0 1 0 1 0	0 0 1 0 1 0	1 0 2 0 1	1 0 2 0 1 0	1 0 2 0 1	1 0 2 0 1	1 0 2 0 1 0	1 0 2 0 1 0	0 1 1
11 12 13 14 15 16 17 18 19 20	0 1 1 2 2 1 1 1 1 0	0 1 1 2 2 2 1 1 2 1 0	0 1 2 3 2 1 2 1 0	0 1 2 2 2 2 1 1 0	0 1 2 2 1 2 1 1 1	0 1 1 2 1 2 1 1 1 0	0 1 1 2 1 2 1 2 1 0	0 0 2 2 2 1 2 2 1 1 1 1 1 1 2 1 1 1 0 0	2 1 1	1 1 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 2 2 1 1 1 2 1	1 1 2 2 1 1 1 1 1 0	0 1 3 2 1 1 1 1 1 0	0 1 3 2 1 1 1 1 1 1 0	0 1 2 2 1 1 1 1 1 0	0 1 3 2 1 2 1 1 0 0	0 1 2 2 1 1 1 0 0	0 1 3 2 1 1 1 1 0 0	1 1 3 3 1 1 1 0 0	2 1 3 2 3 1 1 1 0	1 1 3 2 1 1 1 0 0	1 1 2 3 1 1 1 1 0 0	1 1 2 1 1 1 0 0	2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
21 22 23 24 25 26 27 28 29 30	0 0 2 1 0 0 0 1 0 0	0 0 1 0 0 0	0 0 1 1 0 0 1 0 0	0 0 2 1 0 0 0 1 0 0	0 1 1 0 1 2 0 1	1 1 2 1 0 1 0 0 0 0	2 0 2 1 0 1 1 1 0 0	1 1 0 0 1 2 1 1 0 1 0 0 0 0 0 0	1 1 0 1 0	1 0 2 1 0 1 0	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 0 1 1 0 1 1 0 1	1 0 0 0 0 0 0 0	1 0 2 1 0 1 1 0 0 0 0	1 0 2 0 1 1 1 1 0 0	1 2 0 1 1 1 3 0 0	0 1 2 0 0 2 1 1 0 0	1 2 0 0 2 1 0 0 0	2 2 1 0 1 1 0 0 0	1 2 0 0 0 1 0 0 0	0 1 2 1 0 0 1 0 0 0	0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 2 1 0 1 1 1 1 0 0
31 MEAN	1	0	0	0	0	0	1	0 0	0	0	0	0	0	0	1	0	1	0	0	0	0	1	1	0

PERCENTAGE OF DATA VALID - 84.4 PERCENTAGE OF DATA INVALID - 1.1

PERCENTAGE OF DATA UNAVAILABLE - 14.5

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

POLLUTANT - SULPHUR DIOXIDE UNITS - 0.01 PARTS/MILLION LAND REG OFFICE QUEEN ST. SAULT STE MARIE MONTH . FEB 24 MEAN DAY 0 0 0 0 0 1 0 **** DATA INVALID DATA INVALID 2 2 3 ***** 12 13 14 15 16 17 18 19 20 0 0 0 2 0 0 2 0 1 2 0 1 22 23 24 26 27 MEAN 1.0

PERCENTAGE OF DATA VALID - 86.8

PERCENTAGE OF DATA INVALID - 13.2

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. "****" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE
 - 2. *- " INDICATES DATA IS UNAVAILABLE
 - 3. "***** INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - SULPHUR DIOXIDE UNITS - 0.01 PARTS/MILLION

HOUR 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1																0.		, , , , m		100							
1		STA	TION	NE.	NO	71049	i,	LAND	REG O	FFICE	QUEE	N ST.	\$AULT	STE	MARIE		MONT	TH - 1	MAR	77							
2		*	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	di Co
22 - DATA UNAVAILABLE - 23 - DATA UNAVAILABLE - 24 - DATA UNAVAILABLE - 25 - DATA UNAVAILABLE - 26 - DATA UNAVAILABLE - 27 - DATA UNAVAILABLE - 28 - DATA UNAVAILABLE - 29 - DATA UNAVAILABLE - 30 - DATA UNAVAILABLE - 31 - DATA UNAVAILABLE -	1 2 3 4 5 6 7 8 9 10 11 12 13 4 15 16 17 18 19 20	1 1 3 1 1 2 2 1 0 1 0	1 1 1 2 1 1 3 2 1	3 2 0 1 0	1 1 3 1 1 4 2 2 0 0 0 0	5 1 2 1 1 1 1 3 1 1 4 2 1 4 0 1 0	2 1 1 1 1 3 1 4 2 7 0 1 0	1 1 2 1 1 4 2 1 3 0 1 0	1 3 0	1 1 2 2 1 1 1 1 3 1 1 4 2	3 1 2 2 2 1 1 1 4 1 	2 1 2 3 1 2 1 2 1 2 1	1 1 3 2 2 1 1 1 2 4 1 1 0 0 1 1 0	1 1 2 2 1 2 4 1 2 1 0 3 0	1 1 3 2 2 1 2 2 1 2 4 1 0 0	1 2 2 1 2 1 2 2 1	1 1 5 2 2 1 2 2 1 2 3 1 1 2 1 0 2 0	2 2 1 2 3 1 1 2 1 0 2 0	2 2 1 2 2 1 1 1 1 1 1 2 0	3 2 1 2 1 1 2 3 1 0 1 1 1 2 0	2221211 231001111	3 3 1 0 0 0 0 1	3 0 0 0 0	1 2 1 1 1 2 1 1 1 3 3 1 0 1 0	1 1 1 1 2 1 1 3 3 1 0 2		2 1 1 3 2 1 1 2 2 1 2 3 1 1 0 1 0 0
	22 23 24 25 26 27 28 29 30	1	1	ì	,	2	2	,	1	1	1	2	- DA - DA - DA - DA - DA - DA - DA - DA	TA UNTA UNTA UNTA UNTA UNTA UNTA UNTA UN	AVAIL	ABLE ABLE ABLE ABLE ABLE ABLE ABLE ABLE	•	2	1	1	1	,	,	1	1	. ,	1.4

PERCENTAGE OF DATA VALID - 62.0 PERCENTAGE OF DATA INVALID - 4.2 PERCENTAGE OF DATA UNAVAILABLE - 33.9

NOTES 1. "**** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
 - 3. ******* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POLI	UTANT	. 51	ULPHI	JR DIO	IDE							UNIIS -	0.0	1 PAR	TS/MI	LLIO	N						
	STAT	ION -	NE	NO 1	71049	LAND	REG	OFFICE	QUEEN	ST	SAULT	STE	MARIE		MONT	н - м	PR	77						
DAY	1	2	3	4	5	6 7	, j	8 9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1 2 3 4 5 6 7 7 8 9 10 11 12 13 13 14 15 16 17 18 19 20	0 1 2 2	0 1 2 2	0 1 2 2	0 1 2 2	0 1 2 2	0 (1)		0 0 1 1 2 2 2 1	0 2 2 1	0 1 2 1	- DA	TA U U TA	2	LE .		1 2 2 0	1 2 2 0	1 2 2 0	1 2 3 0	1 2 3 0	0 2 2 0	0 2 2 0	0 2 2 2 0	0 2 2 1
21 22 23 24 25 26 27 28 29 30	0 0 0 0 0 0	0 0 0 0 0 0	0000000	0000000	0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0		0 0 0 0 0 0 0 0	0 1 1 0 0 0 0 0 0	0 1 1 0 0 0 0 0	- 1	ATAC	O O O O O O O O O O O O O O O O O O O	-	1 0 1 2 0 1 0 0	0 0 1 1 0 1 0	0 0 1 0 0 1	0 0 1 1 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0 0 1 1 0 1 1	0 0 0 0 0 1		00000	000000000000000000000000000000000000000	000000000000000000000000000000000000000
										•						*			,	-1				0.6

PERCENTAGE OF DATA VALID - 35.7 PERCENTAGE OF DATA INVALID - 16.0

PERCENTAGE OF DATA UNAVAILABLE - 48.3

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNITS - 0.01 PARTS/MILLION

	ST	ATION	- NE	NO	71049		LAND	REG	OFFICE	QUEEN	ST	SAULT	STE	MARIE		MONT	гн - н	YAN	77							
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1 2 3 4 5 6 7 8 9	1 2 1 0 0 0 0 0	1 2 1 0 0 0 0	1 2 1 0 0 0 0 0 0	1 2 0 0 0 0 0 0 0 0 0	0 2 0 0 0 0 0 0 0 0	0 2 0 0 0 0 0 0 0	0 3 0 0 0 0 0 0 0	***** 0 3 0 0 0 0 0	0 3 0 0 0 0	0 0 0 0 0 0 0 0	0 2 0 0 0 0 0 0	0 2 0 0 0 0 0	DATA 1 1 2 0 0 0 0 0	1 NVAL 1 1 2 0 0 0 0 0 0 0 0 0 0	ID - 1 0 2 0 0 0	1 0 2 0 0 0 0 0	1 0 2 0 0 0 0 0 0 0	00000000	1 0 2 0 0 0 0 0	1 0 2 0 0 0 0 0 0	1 2 0 0 0 0	1 2 2 0 0 0 0 0 0	1 0 0 0 0 0 0	1 2 1 0 0 0 0 0 0 0	1 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
11 12 13 14 15 16 17 18 19 20	0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	020000000	0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0	0 0 0 0	0 0 0 0 0 0 0	0 0 0 0	0 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 2 0 0 0 0 1 - 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 2 0 0 0 0 1 0 0 0	0 2 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 1 0 0 0 1 0 0 0	0 0 0 0 1 0 1 1	0 0 0 0 1 0 1 1	0 0 0 0 0 1 0 1 1	0 0 0 0 0 1 0 1 1	0 0 0 0 0 1 0 1 1	0 0 0 0 0 1 0 1 1	0 0 0 0 0 1 0 1 1	0 0 0 0 0 0 1 0	000000000000000000000000000000000000000	1
21 22 23 24 25 26 27 28 29 30	0000000000	0 0 0 0 0 0 0 0 0	0 0 0 0 1 1 0 0	0 0 0 0 1 1 0 0	000001000	000001000	0 0 0 0 1 1 0 0 0	0 0 0 1 1 1 1 0 0	1 1 0 0	0 0 0 1 1 2 1 0	0 0 0 1 1 1 1 0 1	1 0 0 0 1 1 1 0 0	1 0 0 0 1 1 1 1 0 1	1 0 0 0 1 1 1 1 1	1 0 0 0 1 1 1 1 0 1	1 0 0 0 1 1 1 0 0	1 0 0 0 0 1 0 0 0 0	1 0 0 0 1 1 0 0 0 0	1 0 0 0 2 1 0 0 1 0	1 0 0 0 1 1 0 0 0	1 0 0 0 1 2 0 0 1 0	1 0 0 0 0 0 2 0 0 1 0	1 0 0 1 0 2 0 0 1 0	1 0 0 1 0 0 0 1	1 0 0 0 1 1 1 1 0 0	
31 MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0.3	

PERCENTAGE OF DATA VALID - 93.0

PERCENTAGE OF DATA INVALID - 5.4

PERCENTAGE OF DATA UNAVAILABLE - 1.6

NOTES 1. "**** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

"-" INDICATES DATA IS UNAVAILABLE

POLLUTANT - SULPHUR DIOXIDE

3. ****** INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

UNITS - 0.01 PARTS/MILLION

STATION - NE NO 71049 LAND REG OFFICE QUEEN ST. SAULT STE MARIE MONTH - JUN 77 9 10 11 12 13 14 15 18 19 20 21 22 23 24 MEAN DAY 0 0 0 ***** DATA UNAVAILABLE
DATA UNAVAILABLE
DATA UNAVAILABLE
DATA UNAVAILABLE
DATA UNAVAILABLE
DATA UNAVAILABLE
DATA UNAVAILABLE
DATA UNAVAILABLE 6 7 8 9 - DATA UNAVAILABLE - DATA UNAVAILABLE 12 13 14 15 16 17 18 19 20 0 0 0 o ò õ

PERCENTAGE OF DATA VALID - 59.6

26 27

30

MEAN

PERCENTAGE OF DATA INVALID - 5.4

PERCENTAGE OF DATA UNAVAILABLE - 35.0

O

0.3

NOTES 1. "**** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

"-" INDICATES DATA IS UNAVAILABLE 2.

3. ****** INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNITS - 0.01 PARTS/MILLION

	STA	TION	- N.	NO	71049		LAND	REG C	FFICE	QUEE	N ST.	SAULT	STE	MARIE		MON	th -	JUL	77						
HOUR DAY	1	2	1	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1 2 3 4 5 6 7	00000000	0000000	0 0 0 0 0	0000000	000000	000000	000000	0 0 0 1 0 0	00000		0 0 0 1 0 0 0	0 0 0 0 0	0 0 0 1 1 0 0	0 0 1 1 0 0	0 0 1 1 0 0	0 0 1 1 0 0	0 0 1 1 0 0	0 0 1 1 0 0	0 0 1 1 0 0	0 0 1 1 0 0	0 0 1 1 0 0	0 0 1 1 0 0	0 0 0 0 0 0	0 0 0 0 0	0 0 0
9 10	0	0	0	0	0	0000	0	0	0	0	000	1 0 0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 12 13 14 15 16 17 18 19	0000000000	000000000	0000000000	000000000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	000000000	00000000		0 0 0 0 1 1 0 0 0	0000010000	000000000000000000000000000000000000000	000000000	000000000000000000000000000000000000000	000000000000000000000000000000000000000	000000001	0 0 0 0 0 0 1 0	000000000	000000010	000000000	0 0 0 0 0 0 0 0	000000	000001000	000000000	000000000	000000000
21 22 23 24 25 26 27 28 29	00000000	0000000	00000000	0 0 0 0 0 0 0	0 0 0 0 0	0000000	000000000000000000000000000000000000000	000000	0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	000000000000000000000000000000000000000			0 0 0 0 0 0			0 0 0 0 0	000000	000000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	000000000000000000000000000000000000000	000000	000000	000000000000000000000000000000000000000	000000000000000000000000000000000000000
31 Mean	0	0	0	0	0	0	0	0	0	0	0	0	DATA	INVAL	1D - O	0	0	0	0	0	0	0	0	o	0.1

PERCENTAGE OF DATA VALID - 90.7 PERCENTAGE OF DATA INVALID - 9.3

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. ****** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LE-S THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	PO	POLLUTANT - SULPHUR DIOXIDE														01 P#	RTS/N	ILLIO	N						
	ST	ATION	- N	E NO	71049	É	LAND	REG O	FFICE	QUEE	N ST.	SAUL	STE	MARIE		MON	TH -	AUG	77						
HOUR DAY	1.	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1 2 3 4 5 6 7 8 9													DATA DATA DATA DATA DATA DATA DATA DATA	INVAL INVAL INVAL INVAL INVAL INVAL INVAL INVAL INVAL	ID - ID - ID - ID - ID - ID -										
11 12 13 14 15 16 17 18 19	00000	•••• 0 0 0	 0 0 0 0		 0 0 0	 0 0 0	000000000000000000000000000000000000000	 0 0 0		0 0 0	0 0 0 0 0		DATA	INVAL INVAL INVAL INVAL O O O O	ID -	00000	0000	00000	0 0 0 0	000000	00000	0 0 0 0 0	000000	00000	0 0 0 0
21 22 23 24 25 26 27 28 29	00300000	001000000000000000000000000000000000000	0 2 0 0 0 0	0000000	0 0 1 0 0 0 0 0 0	0000000	00000000	00000000	00000	0 0 0 0 0	000000	000000000000000000000000000000000000000	0 0 1 0 0 0 0 0	0 0 1 1 0 	0 0 0	0000000	000000000000000000000000000000000000000	000000000000000000000000000000000000000	000000000000000000000000000000000000000	000000000000000000000000000000000000000	000000000000000000000000000000000000000	0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	00000	0 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
31													DATA	INVAL	ID -										
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0

PERCENTAGE OF DATA VALID - 44.2

PERCENTAGE OF DATA INVALID - 55.8

PERCENTAGE OF DATA UNAVAILABLE . 0.0

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LE-S THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNITS - 0.01 PARTS/MILLION

		10.0		200																	0.14						
						NO	71049	8	LAND	REG	OFFIC	E QUEE	N ST	SAUL	STE	MARIE		MO	NTH -	SEP	77						
DAY	· ·	1	-	2	3	4	5	6	7	8	9	10	1.1	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1 2 3 4 5 6 7 8 9	***	0 0	****		0 0	 0 0	0 0		0 0	****				!	DATA DATA DATA DATA DATA 1	INVALI INVALI INVALI INVALI INVALI I	D - D - D - 1	1 1	!	1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		1 0	1 0	1 0	100	
11 12 13 14 15 16 17 18 19 20		* 00 1 0 0 0 0	000000000000000000000000000000000000000		* 0000000	0 0 1 0 0 0 0	0 0 1 0 0 0 0 0	0 0 1 0 0 0 0	000000000000000000000000000000000000000	000000000000000000000000000000000000000	ō	0	0 0 0 0 0	4	DATA	INVALI INVALI 0 0 0 0 0	D -	0 0 1 0 0 1 0	0 0 1 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 1 0 0 1 0 0 0 0 1 0 0 0 0 0 0 0 0 0	0 0 2 0 0 1 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 1 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	000000000000000000000000000000000000000	
22 23 24 25 26 27 28 29 30	•••	00000100.	000000000000000000000000000000000000000		0000000000	000000000000000000000000000000000000000	0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0	000100000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 1 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	00000000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
		_	-			U	U	U	U	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2

PERCENTAGE OF DATA VALID - 59.3 PERCENTAGE OF DATA INVALID - 40.7

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. "***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. *- " INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	PC	DLLUTAN	Τ -	SULP	HUR D	IOXID	E							UNIT	s - n	.01 P	ADTS /		ON							
	SI	TATION	- NE	NO	71049	9	LAND	REG	OFFIC	E QUEEN	ST	SAIRT	STE													
HOUR	1	2	3	4	5	6	7	Е									NTH -	OCT	77							
DAY					-		,		9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	0	1	1	1	1	Ť	i	0	1	1	1	1	0													
2	0	0	0	0	0	0	0	0	0	0	0	o	o	ò	0	0	0				0	0	0	0		1
4	U	0	0	0	0	. 1	1	1	****	0	0	0	0	Ö	0		0				1	1	1	-1		0
5		1	1		0	0	0	1	1	1	1	i	1	ĭ	1		1	0			0	0	1	1		0
6	2	2	1	- 3	1	0	0	0		0	0	1	2		3		2	- 1	0		1	1	0	0		1
7		0	1	1	2	1	0	0		0	0	0	0	0	0		ő		- 1	4	4	4	4	5		2
я		0	0	0	0	0	0	0		1	1	1	1	1		,		- 1	- 1	0	1	1	0	0		1
9	o	0	1	1	1		0	1	0	0	0	0	Ó	o	ò	o	ó	0	0	. 1	1	1	1	. 1		1
10	0	0	0	0	0	0	0	1	2	1	3	3	1	1	1	2	Ÿ			0	0	0	0	0		0
	U	v	3.	0	0	0	0	0	0	1	1	1	0	0	1	î	î	1	1	0	1	1	1	0		1
1.1	1	1	0	0	0	0	0	D	0	0	0	0	0	_		-					7.00		,	,		,
12	0	0	0	0	0	0	0	1		**** *				0	0		0	0	0	0	0	0	0	0		0
14	****				****			****	****	**** *		1	1	0	0	0		****	****	****	****	****		****	*****	
15	0	0	0	0	0	0	0	1	1	1	1		- 1	- ×			0	0	0	0	0	0	0	0	*****	k:
16	0	0	0	0	1	0	0	0	0	0	0	0	ó	o	ò	0		1	1	1	1	1	1	1		1
17	0	0	0	0	0	0	0	0	0	0	0	o	0	ő	0	0	0	0	0	0	0	0	0	0	(0
18		0	0	0	0	0	0	0		1	0		1	,	0	0	1	0	0	0	0	0	0	0		0
19	o o	0	1	0	0	0	0	0	0	1	1	4	i	- 1		1	- 1	0	1	1	1	. 1	1	1		0
20	0	0	0	0	0	0	0	0	0	1	1.	1	- 9	- 6	ó	ò	ó	0	0	0	0	0	0	0	(0
20		U	0	0	0	0	0	0	0	0	1		1	o	0	0	o	0	0	0	0	0	0	0		0
21	0	0	0	0	0	0	0	0									-				1	0	0	0		0
22	1	1	1	1	1	2	1	1		0	0					****	****	****		****		0	1	1		
23	0	0	0	0	0	O.	ó	ò			2	0	0	0	0	0	0	0	1	1	- 1	1	0	1		
24	0	0	0	0	0	0	0	0			- 2	2	2	1	2	1	0	0	0	0	0	0	0	0		
25	1		1	1	1	1	1	1	4	4	- 3	1	1	1	1	2	1	1	1	1	1	1	1		- 1	í
26	0	0	0	0	0	0	0	0	0	o	0	0	0	0	1	1	1	1	1	- 1	1	- 1	1	- 1		i
27	0	0	0	0	0	0	0	0	ő	o	0	1	0	0	0	0	0	0	0	0	0	0	0	0	Ċ	4
28	0	0	0	0	0	.0	0	Õ				0	0	0	0	0	0	0	0	0	0	0	0	0	Č	-
29	0	0	0	0	0	0	0	1	0	0	4			****	• • • •			****		****	0	0	0	0		
30	2	1.	1	0	1	1	1	- 1	1	1		- 1	0	0	1	1	2	3	3	3	3	2	2	2	4	
31	1								-		7.		2	1	1	1	1	-1	1	1	1	1	ō	ō	1	i
	- 25	1	1	ž.	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	c	
MEAN	0	0	0	0	0	0	0	0	0	0	1	1	1	0	1	1	7	1	1	1	1	1	1	1	0.5	

PERCENTAGE OF DATA VALID - 92.5 PERCENTAGE OF DATA INVALID - 7.5

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEJS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNITS - 0.01 PARTS/MILLION

	5	TATIO	N - N	E NO	71049	ĺ.	LAND	REG	OFFICE	QUEEN	ST.	SAULT	STE	MARIE		MON	TH -	NOV	77						
HOUR DAY	1	2	3	4	5	6	7	8	9	10	1.1	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1		0	0	0	0	0	0	0	0	0	0	0	0	0	0					••••	••••		• • • •	••••	*****
2	****	****									•••							0	1	1	3	1	1	1	*****
3			- 1	1	1	1	1	0	0	0	0	0	0		0	0	0	0	1	1	. 1	1	0	0	0
4	9		1	1	1	1	1		1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	9		1	1	1	1	1	1	1	2	- 1	1	1	1	1	1	1	1	1	1	,	1	1	1	1
ö	1		1	1		- 1			1	1	- 1	1	1	1	1	2	3	2	2	3	1	2	2	2	
,		3		2	1	1	o	1	0	1	0	1	0	0	1	1	1		1	1	_ 1	1	0	0	,
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11				0	0	0	0	0		0	0	0	0		0		0		0	0	0	0	0	0	0
12			0	0	0	0	0	0	0	0	0	0	0		0		0		0	0	0	0	0	0	0
14			- 1	- 1			- !	- 1	1	0	0		0		0	0	0		1	1	1	1	1		1
15			- 1	- 1		- 1		- 1	- 2	- 2	- 1	2	- !	1 2	1 2	2	1 2		2	1	. 1			- 1	
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19			0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	•	- 1	1	1	ī	1	i
20	****	1	1	2	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1
21		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			_		0	0	0
22			1	ĭ	ĭ	ő	ő	ŏ		ŏ	ő	ŏ	ĭ	ŏ	ő		ŏ	ŏ	0	0	0	0	1	1	0
23		1	í	1	2	1	1	1	ĭ	1	1	1	- 1	ĭ	1	ĭ	1	ŏ	0	ó	ő	ŏ	ò	ċ	ĭ
24		0	1	- 1	1	5	1	3	2	1	0	0	1	4	2	1	2	ī	2	ŏ	ŏ	ŏ	ŏ	1	i
25			1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	o	ō	ŏ	ŏ	ŏ	ŏ	ó	o
26			0	0	0	0	0	0		0		o	0	0	0		0	0	0	0	0	0	0	0	0
27	9	0	0	1	1	1	0	1	1	2	1	1	1	2	2	2	2	1	1	1	1	1	1	1	1
28 29		. 1	- 1	2		- 1	2	2	3	2	2	2	2		••••	****	5	4	3	2	2	1	1	- 1	2
30				2		2	2	2	2	1	2	- 1	2	2	1	5	_ 1	- 1	1	1	1	1	- 1	- 1	
30			3	-		2	2	2		3	2	2	9	4	5	5	3	2	3	4	4	4	3	3	3
MEAN		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.7

PERCENTAGE OF DATA VALID - 91.7 PERCENTAGE OF DATA INVALID - 8.3

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. *- INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	PO	LLUTANT	- s	ULPH	UR DIO	XIDE								UNITS	- 0.0	1 PAR	TS/MI	LLIO	N						
	ST	ATION -	NE	NO	71049		LAND	REG	OFFICE	QUEEN	ST.	. ŞAULT	STE	MARIE		MONT	н - р	EC	77						
DAY	. 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	. 19	20	21	22	23	24	MEAN
1	2	3	2	3	2	2	1	2	2	!	1		2	4	3	1	1	1	7	1	1	1	0	1	2
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4	1	i	4	ĭ	1	•	ĭ	- 7	1	3	- :	- 1		2	2	2	2	- 3	5	4	4	2	2	1	2
5	1	2	2	2	ż	3	3	- 3	4	3	,	à	15		1		,	2	2	1	1		2	2	1
6	1	1	ī .	1	1	1	1	1	ĭ	ĭ	ĭ	7	1	- 1	- 1	- 1	7	- 2			2	- 1		- 2	3
7	1	1	1	1	1	1	1	i	i i	•	1	- 1	î	- 1	i		- 1	;	2	2		1	:	- 1	1
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9	****	5	5	3	2	1	1	1	2	2	1	1	1	ī	ĭ	ī	ī	- 7	1	- 7	ő	1	ĩ	1	2
10	****	1	1	1	1	1	1	0	2	2	1	1	1	3	3	1	3	2	2	3	3	3	2	2	2
11	****	2	2	2	2	2	2	1	1	1	1	2	1	2	2	2	3	3	3	3	4	3	3	3	
12	****	1	1	1	1	1	1	1	2	2	2	3	3	3	3	3	4	ă	4	4	7	4	4	5	3
13		3	3	3	3	3	4	4	4	4	4	4	4	4	4	4	3	3	3	3	2	2	3	2	3
14		1	1	1	1	1	1	1	2	1	2	1	1	1	1	2	3	2	2	2	2	2	- 2	- 2	2
15	1	1	1	1	1	1	,	2	1	1	1		1	1	1	1	1	2	1	ī	ī	2	ī	1	1
16		2	2	2	2	2	2	3	3	3	2	3	4	3	2	3	2	3	2	2	1	2	2	2	2
17		2	2	2	2	2	3	3	3	3	3	3	3	4	6	9	4	4	5	6	4	5	4	4	4
19		2	4	2	4	3	3	3	3	3	3	2	3	3	2	2	2	2	3	3	3	2	2	2	3
20	••••	2	3	3	2 3	3	3	3	3	3	3	3	3	3	3	3	3	2	3	2	2	2	3	3	2
21		3	3	2	3	2	3	2	2	2			2	3						-	_		-		_
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24	0	1	1	1	1	1	0	0	o	1	1	2	2	2	ż	ż	2	1	ĭ	ĭ		·	ŏ		
25	0	0	1	1	1	1	1	1	1	1	1	. 1	1	ī	1	1	1	4	2	•	á	ò	ŏ	ĭ	
26	,	1	1	1	1	1	1	1	1	2	1	2	3	2	2	3	3	3	2	2	ĭ	2	2	i	2
27 28		1	1	1	1	1	1	2	2	2	1	1	1	2	2	1	2	3	3	3	2	2	2	î	2
28	****	- 3	2	2	1	2	2	1	1	1	1	1	1	1	1	2	2	1	1	1	1	0	1	1	1
30	0	1	1	1		1	- 1		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	0	0	0	0	1	0	0	0	0	0	0	1	1	1	2	2	2	2	2	2	2	1	2	2	1
31	2	2	2	2	2	2	2	2	2	2	2	1	3	1	1	1	1	2	1	1	1	1	1	1	2
MEAN	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1.8

PERCENTAGE OF DATA VALID - 98.1 PERCENTAGE OF DATA INVALID - 1.9

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1977

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - NE NO 71049 LAND REG OFFICE QUEEN ST. SAULT STE MARIE

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	26	0.8	2	14
FEB	24	1.0	3	5
MAR	19	1.4	3	6
APR	33	0.6	2	3
MAY	28	0.3	2	3
JUN	16	0.3	1	2
JUL	28	0.1	1	2
AUG	13	0.0	0	3
SEP	16	0.2	1.	2
OCT	27	0.5	2	5
NOV	27	0.7	3	9
DEC	31	1.8	4	15
YEAR	266	0.7	4	15

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1977

MONTHLY GROUP	FREQUEN	NCY DISTRIBUT	ION FOR 1	977			
POLLUTANT - SU	LPHUR DI	IOXIDE				UNITS - 0.0	1 PARTS/MILLIC
STATION - NE	NO 7104	49 LAND R	EG OFFICE	QUEEN ST	SAULT STE	MARIE	
MONTH DO	TO 04	05 TO 10 11	TO 14 1	5 TO 25	26 TO 39 4	40 &OVER	TOTAL
JAN	626	1	1	0	0	0	628
FEB	582	1	0	0	o	0	583
MAR	456	5	0	0	0	0	461
APR	257	0	0	0	0	0	257
MAY	692	0	0	0	0	0	692
JUN	429	0	0	0	0	0	429
JUL	675	0	0	0	0	0	675
AUG	329	0	0	0	0	0	329
SEP	427	0	0	0	0	0	427
OCT	687	1	0	0	0	0	688
NOV	655	5	0	0	0	0	660
DEC	714	14	0	2	0	0	730
YEAR	6529	27	1	2	O	0	6559
EDECUENCY DIS	TRIBLITIO	ON BY DEDCENT	1166				

FREQUEN	CY DISTRIBUT	ION BY F	PERCENTILES									
	PERCENT					CONCEN	TRATIONS					
	OF DATA				FREQUENCY	DISTR	IBUTION.	PERCENT				ARITH
	VALID	MIN	10	30	50	70	90	95	98	99	MAX	MEAN
	74.9	0	0.0	0.0	0.0	0.5	1.5	2.0	2.0	3 6	1.6	0.7

POLLUTANT - SULPHU SIOXIDE UNITS - 0.01 PARTS/MILLION

Ÿ	000000					A I DE							,	04112	- 0.1	JI PA	H12/M	LLLIO							
	STA	TION	1.6	NO	75016	3	VERNER	PATR	OL Y	ARD DO	OT VE	RNER				MON	тн - ,	MAL	77						
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	. 19	20	21	22	23	24	MEAN
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4	- 1	1	1	1	2	2	1	1	2	2	1	1	2	5	9	1	2	6	10	4	3	1	1	1	3
5	- 1	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	1	1	1	1	1	0	0	0	1
7	2	2	0	- 1	1		2	2	2	2	2		2	2	2	3	3	3	2	2	2	3	3	2	2
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9	1	1	-1	1	1		1	i	1	1	1	i	i	ાં	- 1	4	- 1	- 1	ö	ò	1	- 1		ĭ	- 1
10	1	2	1	1	1	1	1	1	1	1	1	0	1	1	ó	ò	î	i	1	2	2	i	1	i	i
11	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	3	5	2	1	2	2	2	3	2	2
12	1	1	2	1	1	1	1	1	1	1	0	0	1	1	1	1	• • • •	8	6	4	6	5	5	3	2
13	0	3	2	3	2	3	4	3	3	2	2	2	3	1	2	2	2	2	2	2	1	1	2	2	2
15	9	4	1	1	3	1	2	2	2	2	2	2	3	3	3	3	2	2	2	2	2	4	3	2	2
16	7	ö	3	7	3		3	3	3	- 1	- 1	- 1	- 1	- 1	1	6	0	ò	0	0	0	0	1		2
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20	0	0	0	0	0	0	0	1	1	1	1	••••	4	2	5	7	2	2	ī	ĭ	ĭ	í	1	1	ĭ
21	1	1	1	0	o	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	2	3	3	4	5	5	1	1	1	- 1	- 1	1	2	2	2	2	1	1	2	2	2	1
25	3	4	4	4	3	3	3	4	4	3	7	ō	7	7	4	0	- 3	4	4	4	4	4		4	4
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27 28 29 30	2	2	2	0	0	0	0	0	o	0	0	ō	ō	ō	ō	ō	ō	ō	ō	ŏ	ō	ō	ō	ō	ò
28	0	0	1	0	0	0	0	0	1	2	1	2	1	1	0	0	0	0	3	11	5	0	O	1	1
29	4	0	0	0	0	0	0	0	0	1	1		13	5	7	6	10	1	0	0	0	0	0	0	2
	1	1	1	1	1	1	•	1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	1	0	0	1	1	1	3	14	6	0	0	0	0	0	0	1	0	3	3	1
MEAN	1	•	1	1	1	1	1	1	1	1	1	1	2	2	2	1	1	1	1	1	1	1		1	1.3

PERCENTAGE OF DATA VALID - 99.5 PERCENTAGE OF DATA INVALID - 0.5

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. ****** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POL	POLLUTANT - SULPHUR DIOXIDE													- 0.0	1 PA	RTS/M	LLIO	4						
	STA	TION -	NE	NO	75016	į	VERNER	PATE	ROL YA	ARD DO	T VE	RNER				MON	TH - F	EB	77						
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	. 19	20	21	22	23	24 1	MEAN
1 2 3 4 5 6 7 8 9	2 0 1 1 0 0 0 3 1 1	3 0 2 0 0 0 0 3 1	4 0 1 0 0 0 0 0 0 2 2 0 0	6 0 1 0 0 0 0 0 2 2	3 0 1 0 0 0 0 2 2 0 0	0 0 2 0 0 0 0 2 2 0	0 0 2 0 0 0 0 1 2	0 0 2 0 0 0 0 1 2	0 0 3 0 0 0 0 1 2 0	0 0 3 0 0 0 0 1 3 0	0 0 3 0 0 0 0 1 2 1	0 0 0 0 0 1 2 1	00000010	0 0 0 0 0 0 1 0	0 0 0 0 0 1 1	0 0 3 0 0 0 0 1 2 1	0 0 0 0 0 3 1 2 1	000000122	0 0 0 0 0 1 1 2 2 1	00000012121	5 0 0 0 0 0 9 1 2 1	0 1 1 0 0 0 8 1	0 1 1 0 0 0 7 2 1 1	0020006210	1 0 0 0 0 0 0 2 1 2 1
11 12 13 14 15 16 17 18 19	1 0 0 0 0 2 1 2 0	1 1 1 0 0 2 1 1	2 1 0 0 0 0 2 1 0 1	1 0 0 0 2 1 0 1	3 1 0 0 0 0 1 1 0 2	3 1 2 0 0 0 1 2 0 2	2020011201	0 0 2 0 0 1 1 2 0	0 0 1 0 0 1 1 2 0 0	0 0 1 0 0 1 2 2 0 1	000001200	0000000000	20000000000	200000000000000000000000000000000000000	1 1 0 0 0 0 3 0 0	8000000300	9100020301	5 0 0 0 0 1 0 4 0 1	5100010301	400000000000	3 1 0 0 0 2 1 3 0 1	2 1 0 0 0 4 1 3 0 0	2 0 0 0 1 2 1 3 0 0	10000021200	20000001112001
21 22 23 24 25 26 27 28	0 0 0 0 0 0 3	0 0 0 0 0 0 2	000-0001	0 0 0 0 0 3	0 0 1	0 0 0 0 16	0 0 0 0 0 2	100.000	0000	0	0 0 0 0 0 0 0 1	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 4 0 7	0 0 0 0 0 0 3	22 0 - 0 0 0	1 0 0 0 0 0	0 0 0 0 0 0	0	0 0 0 0 0 0		000000	0 0 0 2 0	00.00010	1	0 0 0 0 2
MEAN	1	1	1	1	- 1	1	1	0	0	1	1	1	1		1	1	1	1	1	1	1	1	1	1	0.8

PERCENTAGE OF DATA VALID - 95.2

PERCENTAGE OF DATA INVALID - 0.0

PERCENTAGE OF DATA UNAVAILABLE - 4.8

- NOTES 1. ****** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE
 - 2. *- INDICATES DATA IS UNAVAILABLE
 - 3. ****** INDICATES LEJS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - SULPHUR DIOXIDE UNITS - 0.01 PARTS/MILLION

	100														96.0	0 · · · ·	ice ent to	TLLIO	134						
		ATION	- NE	NO:	75016		VERNE	R PAT	ROL Y	ARD D	OT VE	RNER				MON	TH -	MAR	77						
DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	4 MEAN
1 2	3	2	2	1	1	1	2	2	2	0	0	0	4	6											
3	0	0	0	0	0	0	0	0	0	0	Ö	0	o	4	3	0	5	0	3	0	0	0	0	- 2	2 1
4	0	0	0	0	0	1	2	2	2	3	2	2	2	7	1	0	3	0	0	0	0	O	0	(
5	0	0	0	0	0	0	0	0	0	0	0	0	ō	o	ó	0	0	8	5	5	3	2	0	C	
6	0	0	0	0	0	0	0	0	0	0	0	0	0	o	o	o	ő	0	0	0	0	0	0	C	
7	o	0	0	0	0	0	0	0	0	3	2	1	2	2	2	1	ő	2	2	0	0	0	0	C	
8	ō	0	0	0	0	0	0	0	0	0	0	0	0	0	ō	o	3	15	22	1	0	0	0	0	5
9	0	0	ő	0	0	0	0	0	0	0	0	0	0	0	0	0	ō	0	0	4	0	0	0	0	
10	0	o	0	o	0	2	3	1	1	0	0	0	0	0	0	0	o	ő	ő	0	0	0	0	0	
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13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	o	0	0	o	0	
14	0	0	Ö	0	o	Ö	0	0	0	0	0	0	0	0	0	0	0	0	0	ő	ő	0	0	0	
15	0	0	0	0	0	0	0	0	0	0	3	2	0	2	5	6	1	0	0	0	o	o	o	ő	
16	0	0	0	0	0	5	2	ŏ	2	3	0	0	0	0	0	0	0	0	0	o	o	o	o	ő	
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19	0	0	0	0	0	0	0	0	0		3	0	0	0	0	0	0	0	0	0	1	0	ò	0	0
20	0	0	0	0	D	0	0	0	0	'n	ő	2	0	1	5	1	0	0	0	0	0	0	0	o	
												0	0	0	0	0	0	0	0	0	0	0	0	0	
21	1	2	2	1	.1	1	3	20	6	0	0	0	0	0	0		4	-							
23														NVALID		2	-7	0	0	0	0	0	0	****	2
24												- D	ATA I	NVALID	1.										
25												- DAT	A UNA	VAILAB	IF -										
26	0	0	0	0	-		9	*	770		***	0	0	0	0	0	0	0	0	_	-				
27	0	0	0		0	0	0	0	0	0	0	0	0	0	ŏ	õ	o	0		0	0	0	0	0	*****
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Ö	0	1	o	0	0	0	0	0	0	0
29	ō	o	0	0		0	0	0	0	0	0	0	0	0	0	o	0	0	o		0	0	0	0	0
30	0	ŏ	0	0	0	0	D	0	0	0	0	0	0	0	o	0	0	ő	o	0	0	0	0	0	0
			0	o	0	U	0	0	1	1	0	0	0	1	1	2	0	o	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	o	0	0				-		Ÿ	·	0	0	0	0	0
MEAN	0	0	0	0	0	0						U	0	0	0	0	0	0	0	0	0	0	0	0	0
						U	0	1.	1	0	1	0	4	1	1	1	1	1	1	1	0	0	0	0	0.5
PERCENT	AGE O	F DAT	A VAL	ID -	88.7		P	ERCENT	AGE	OF DA	TA IN	VALID	- 5	. 6		PERG	CENTA	GF OF	DATA	TIMATO					
NOTES 1	**		INDICA	TEC	******														DAIM	DITATE	ATTUR	FE -	5.6		

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. *-* INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POL															UNITS - 0.01 PARTS/MILLION											
	STA	STATION - NE NO 75016			1	VERNER PATROL YARD DOT VERNER							MONTH - APR 77														
DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 N	EAN		
1 2 3 4 5 6 7 8 9	0000000000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 1 0	0 0 0 0 0 0 1 0	0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 1 0 1 0	0 0 0 0 0 1 0 1 0	0 0 0 0 0 1 0 1 0	0 0 0 0 0 1 0 0 0	0 0 0 0 1 1 0 0 0	00003000	000000000000000000000000000000000000000	00000000000	0 0 0 0 1 0 0 1 0	0000010050	0 0 0 0 0 1 0 0 2 0	000000000000000000000000000000000000000	000000010	0 0 0 0 0 0 0 1 0	000000000000000000000000000000000000000	0000000000	0000000000	0000000000	0000000000	0000000010		
11 12 13 14 15 16 17 18 19 20	0 0 2 0 0 1 1 0 1 2	0 0 1 1 0 1 2	0 0 1 0 0 1	0 0 0 0 1 0 1 0	0 0 0 0 1 0 0 1 0	00 + 000 + 000	0 0 0 0 1 0 1 0	0 0 1 0 0 0 0 0 0 0	0 0 1 0 0 0 1 0	0 0 1 0 0 0 0 0	0 0 1 0 0 0 0 0	0000000000	000000000	000000000	000000000	003000000	000000000	000000000	0000000000	0 1 0 0 0 0 0 1 0	0 0 0 0 0 1 0 1 0	0 1 0 1 1 0 1 1 0	0 1 0 2 1 1 1 0	0 1 0 1 1 1 1 1 1 1 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		
21 22 23 24 25 26 27 28 29 30	000200000	0 0 0 0 0 0 0	000000000	000000000000000000000000000000000000000	00000000	0 0 0 3 0 0 0 0 1	0 0 0 0 0 0 1 1	000000000000000000000000000000000000000	000300050	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 1 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 1 0 0 1 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 2 0 0 2 0	0 0 0 2 0 1 0 0 1 0	0 0 1 1 0 0 1 0	0 0 1 1 0 0 0 0 0 0	0 0 1 1 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 1 1 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	000000000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.3		

PERCENTAGE OF DATA VALID - 99.9 PERCENTAGE OF DATA INVALID - 0.1 PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. "-" INDICATES DATA IS UNAVAILABLE
 - 3. ******* INDICATES LEJS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - SULPHUR DIOXIDE UNITS - 0.01 PARTS/MILLION

	0.00	THE STATE OF THE S											ONLIS DUT PARIS/MILLION												
	STA	STATION - NE			E NO 75016		VERNER		PATROL YARD DOT VERNER			NER				MONT	rH - N	MAY	77						
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 M	EAN
1 2 3 4 5 6 7 8	0 0 0 1 1 0 0 0 0	0 1 0 0 0 0 0 0	000110000	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 1 1 0 0 0 0	0 0 0 1 1 0 0 0 0	000100020	0 0 0 0 1 0 2 0	000000000	00000000	0 2 0 0 0 5 0 0 0	010002000	0 0 0 0 0 0 0 0	010000000	010000000	00000000	000000000	00000000	00010000	0 0 1 1 0 0 0 0 0	0 0 1 1 0 0 0 0 0	0 0 2 2 0 0 0 0	0 0 2 1 0 0 0 0 0	0 0 1 0 0 0
10 11 12 13 14 15 16 17 18 19	0 3 0 0 3 1 0 1 1	0 5 0 0 1 3 1 0 0 1	0 4 0 0 1 3 1 1 2 3	0 1 3 0 0 0 0 3 2 1 2 1	0 0 0 0 3 3 2 2 0	0 0 0 0 1 3 1 2 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0	000000000000000000000000000000000000000	000000000000000000000000000000000000000	0 04 00 00 00 04 2	0 5 0 0 2 0 0 0 0 3	0 0 0 0 0 0 0 0 0 0	0000800006	0 000000000	0 0 0 0 0 0 0 0 1	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 1	0 0000400002	00000401000	0 0 0 0 0 4 0 2 0 1 1	2000402011	20001300011	0 0 0 2 1 1 0 2 1
21 22 23 24 25 26 27 28 29 30	1 2 0 1 0 0 1 1 1 2	2 2 0 1 0 0 1 1 1 2	0 2 0 1 0 0 1 2 0 2	5 0 0 0 1 3 0	1 4 0 0 0 0 0 2 2 0 3	0 1 0 0 0 1 0 0 2	0 0 0 0 0 1 0 2	00000000	00000000	0000000000	000000000	000000000	0000000000	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	000000000	00000000	000000000	0 0 0 0 0 0 0	0 1 0 0 0 1	2 0 2 0 0 2	2 3 2 0 0 3 0 0	3 0 0 0 3 0 0 1 3	2 2 0 0 0 3 1 1 1 2	1 0 0 0 1 0 1
31 MEAN	1	1	1	1	1	1	0	0	0	•	0	1	0	0	1	0	0	0	0	2 0	3 1	1	3 1	1	1 0.5

PERCENTAGE OF DATA VALID - 100.0 PERCENTAGE OF DATA INVALID - 0.0

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. ****** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POL	POLLUTANT - SULPHUR DIOXIDE													UNITS - 0.01 PARTS/MILLION												
	STATION - NE NO 75016 VERNER PATROL YARD DOT VERNE										RNER	MONTH - JUN 77															
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 1	MEAN		
1 2 3 4 5 6 7 8	1 0 1 1 0 2 0 1	0 0 1 1 3 0 1	0 0 1 0 1 0 1	0 0 1 1 0 0 0 0	0 0 1 1 0 0 0 0	0 0 1 1 0 0 0 0	0 0 0 0 1 0 0	0 0 1 0 1 4 0 0	0 8 1 1 0 0	6 1 1 0 0	0 0 1 1 0 0 0 0	0 0 1 1 0 0 0	0.10000	0 2 1 0 0	0 3 1 0 0	0 4 1 0 0	4 1 0 0 0	0 1 1 0 0	1 1 0 0 0 0	0 - 1 1 0 0 0 0	0 2 1 1 0 0	0 - 2 1 1 0	0 2 1 0 0	0 0 0 0 0	2 1 0 1 0 0		
10	1	1	1	0	0	1	0	1	1	2	1	1	1	1	1	;	0	0	0	1	1	3	3	2	1		
11 12 13 14 15 16 17 18 19	2 2 1 1 0 1	2 5 1 1 2 1 0 3	1 3 3 1 1 2 0 1 0 2	0 2 3 1 1 4 0 2 0 2	1 4 1 2 2 0 2 0 1	1 1 2 0 3 0 1	3 1 1 0 0 1 0 1	3 1 1 0 0 0	12 1 0 0 0 0 0 2	7 1 2 1 0 0 0 0 0	0 0 0 2	1 1 6 2 0 1 0	1 0 1 12 2 0 6 0 4 0	0004	1 0 1 2 2 0 3 0 2 4	1 2 0 2 0 2 1	3 0 1 1 1 1 2 0 0 1	10 1 1 1 0 0 0 1	1 1 0 0 0 1	2 1 1 2 1 0 0 0 1	1 1 1 2 1 0 0 1 2	2 1 1 2 1 0 1 2	1 1 2 2 1 1 0 1 1	1 0 1 2 1 1 0 1 1	2 2 1 1 1 0 1 2		
21 22 23 24 25 26 27 28 29 30	1 1 2 1 1 1 3 2 1 1	1 1 2 2 1 1 3 2 1 0	1 1 2 3 1 2 2 2 0 0	2 2 3 1 3 2 0 0	1 2 1 3 3 1 2 2 0 0	0 1 2 1 2 3 1 0	0 1 1 0 1 3 2 0 0	0 0 1 1 0 0 1	000000101	0 0 0 0 0 0 1 0 1	000000000000000000000000000000000000000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 1 0 0	0001000	0 0 2 1 0 0 0 0 0	0 0 1 0 1 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	000000000000000000000000000000000000000	0 0 0 0 1 0 1 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 1 0 0	1 1 0 1 2 0 1 0 0	1 1 0 1 2 2 1 1 0	1 2 1 0 1 3 2 1 1 0	1 1 1 1 1 0 0		
MEAN	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	0	1	1	1	1	1	0.9		

PERCENTAGE OF DATA VALID - 97.5 PERCENTAGE OF DATA INVALID - 0.7

PERCENTAGE OF DATA UNAVAILABLE - 1.8

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNITS - 0.01 PARTS/MILLION

	n.m.															50.00		10000	1.00						
		ATION	- NE	NO	75016	1	VERNER	PATR	OL Y	ARD DO	OT VE	RNER				MON	TH -	JUL	77						
DAY	.1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 M	IEAN
1 2 3 4 5 6 7 8 9	0 0 1 0 1 1 1 1 1 1 1	0 0 1 0 2 0 1 1 1 1 1	0 0 1 0 2 1 1 2 1 1	0 0 1 0 1 1 1 1 2 1 1	0 0 2 0 1 0 1 1 1 1 1	0 0 1 0 1 0 0 1 1	0 0 0 1 0 0 1 1 1 1	0 0 0 0 0 0 1 1 1	0 0 0 0 0 1 1 1	0 0 0 0 0 1 1 1 1 1	0 0 0 0 1 2 1 1	0 0 0 0 0 1 3	0 0 0 0 0 0 1 3 1	0 0 0 1 0 0 1 1 1 1 1	0 1 0 5 0 0	0500001111	0 4 0 0 0 0 1 1 1	0 0 0 0 0 1 1 1 1 1	0 0 1 0 0 1 1 1 1 1	0 0 0 0 1 0 1 2 1 1	0 0 0 1 0 0 2 2 1 1	0 0 0 1 1 1 2 2 2	0 0 0 1 1 1 2 1 2	0 1 0 2 0 1 1 1 1 1 1	0 0 0 0 1 0 1 1 1 1 1
11 12 13 14 15 16 17 18 19 20	1 1 1 1 1 1 2 1	1 1 1 1 1 2 2 2 2	1 1 0 1 2 1 2 1 1	1 1 1 2 1 2 1 1	1 1 2 1 2 1 1 1 2	2 1 1 1 1 0 1 1 1 2	1 1 1 1 1 1 1 2 1	1 2 1 1 1 1 1 1 1 1 1	1 2 3 1 2 1 1 1 1 2	1 2 2 1 1 1 1 1 2	1 2 1 2 2 1 1 2 2	1 2 1 2 2 2 2 1 2	1 2 1 1 2 8 1 1 1 3	1 2 1 1 3 2 2 1 1 2	1 2 1 3 1 3 1 1 2	1 2 1 2 3 1 3 1 1	1 2 1 1 3 1 3 1 1 2	1 1 1 2 1 2 2 1 2	1 1 1 3 1 2 1 1 2	1 1 1 0 3 1 1 1 1 2	1 1 1 1 1 1 1 1 1 2	1 2 1 2 2 1 1 1 1 1 2	2 2 1 1 2 2 1 2 2 2	1 2 1 1 2 1 2 1 2	1 2 1 1 2 2 1 1 1 2
22 23 24 25 26 27 28 29 30	1 1 1 1 2 1 1 2 1 1 2	1 1 1 0 2 1 1 2 2	1 2 1 1 0 2 1 2 2	1 2 0 1 0 1 1 2 2	1 1 2 1 1 0 1 1 2 2	1 2 1 1 0 1 1 2 2	1 1 1 1 0 1 0 2 2 2	1 1 1 1 1 1 1 1 2 2	1 0 0 1 1 1 2 1 2 2	1 1 1 1 2 2	1 0 1 1 1 4 1 2 1	1 1 1 1 1 3 1	1 1 1 1 1 1 2 1	0 1 0 1 1 1 1 2	0 1 0 1 1 1 1 1 2 2	0 1 1 1 1 1 1 1 2 1	0 1 1 1 1 1 1 1 2 1	0 1 1 1 1 1 2 1 1 1	0 1 1 1 1 1 1 1 2 0	0 1 0 1 1 1 0 1 2	0 2 0 1 0 1 0 2 2 1	0 1 0 1 1 2 1 1 2 1	0 1 0 1 1 1 1 2 2	1 1 1 1 1 1 1 2 0	1 1 1 1 1 1 1 1 1 2 1
MEAN	1	1	1	1	1	1	1	2	1	1	2	1	2	2	2	2	1	1	2	1	1	1	1	2	1
												-				(4)	1	1	1	1	1	1	1	1	1.0

PERCENTAGE OF DATA VALID -100.0 PERCENTAGE OF DATA INVALID - 0.0

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. ****** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POL	LUTANT		SULPH	UR DIO	XIDE								JNITS	- 0.0	D1 PAG	DTS/M		u							
	STA	TION -	NE	NO.	75016		VERNER	PAT	ROL YA	ARD DO	T VE	RNER					TH - 1		77							
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1 2 3 4 5 6 7 8 9	2 2 0 1 1 0 1	2 2 3 . 2 0 1 0 0 1	2 2 3 . 0 0 2 0 1 1	3 2 1 0 0 3 0 0 0	2 2 2 0 1 2 0 1 0	1 2 3 . 0 0 2 0 1 0	1 2 3 0 0 0 2 0 0	2 2 3 . 0 0 1 1 0 0	2 2 3	2 3 0 0 0 2 2 0 0	1 1 2 0 0 0 0 2 1	1 2 1 0 0 0 0 0 0 0	1 1 0 0 0 0 0 0	22.0000000	2 2 0 0 0 0 0 0 1 0	1 2 0 0 2 0 0 1 0	1 2 . 0 0 5 0 0 0 0	0 0 0 0 0 0	4 2 - 0 0 1 0 0 0 0	4 2 - 1 0 1 0 0 0 0 0	2 3 - 1 0 1 1 0 1 0	2 2 2 0 1 1 0 0 0	30.2012000	2 2 0 1 1 0 1 0		0 1 1 0 1
11 12 13 14 15 16 17 18 19	0000000000	0 1 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 1 0 0 0 0	0 0 0 0 1 0 0 0 0	0 0 0 0 0 2 0 0 1 0	0 0 0 0 0 0 0 0	0 0 0 1 0 2 0 0 0 0	0005054000	0 1 0 0 0 2 3 0 0 0	0 2 0 0 2 1 2 0 0 0	0 0 0 1 2 0 1 0 0 0	0 0 0 1 3 1 0 0 0 0	0 0 0 1 4 0 2 0 0 0	0003403102	0 0 0 1 5 0 6 1 0 1	0 0 0 2 5 0 0 2 0 10	0 0 0 2 3 0 0 1 0 7	0 0 0 1 3 0 2 1 0 0	0 0 0 3 0 1 1 0 0	0 0 0 0 1 0 0 1	0 0 0 1 0 0 1 1 0 0	0 0 0 0 0 0 2 1 0 0	0 0 0 1 1 0 0 0	11 11 11 11 11 11 11 11 11 11 11 11 11	0
21 22 23 24 25 26 27 28 29 30	0000010000	1 0 0 0 0 1 0 0 0 0	1000000000	000000000	000000000	0000000000	000000000	00000000	0 0 1 0 0 0 0 0 0 0	000000000	000000000	0 1 3 0 0 0 0 0 0	0 2 3 1 0 0 0 0 0 0 0	0 7 8 3 0 0 0 0	0 1 2 4 0 0 0 0 0 0	0000100000	000000000	0 0 0 0 0 0 0 0	0000100000	0 0 0 0 1 0 0 0 1	00000	0 0 0 0 1 1 0 0 0 1	0 0 0 1 1 1 0 0 0	0 0 0 0 0 0 0 0 1	000000000000000000000000000000000000000	
31 MEAN	0	1	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	. 0	
m g, and	0	1	0	0	0	D	0	0	1	1	1	0	1	1	1	1	1	1	1	1	0	0	0	0	0.6	

PERCENTAGE OF DATA VALID - 97.0 PERCENTAGE OF DATA INVALID - 0.1

PERCENTAGE OF DATA UNAVAILABLE - 2.8

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNITS - 0.01 PARTS/MILLION

		TION	N/P	F100 -	roic	62	FRUER																		
	SIA	TION	N.E.	NO	5016	·	ENNER	PATR	OL YA	RD DO	T VER	NER				MONT	H - S	EP	7.7						
DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 ME	ΔN
1 2 3 4 5 6 7 8 9	0 0 1 1 0 0 0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0000000000	0000000000	0 0 0 0 0 0 0 0	00000000	0 0 0 0 0 0 0 2 0	000000000000000000000000000000000000000	0 0 0 0 0 0 2 2	0 0 0 0 0 0 2 1	0000000000	800000000000000000000000000000000000000	200000000000000000000000000000000000000	0000000000	0000000000	0 0 0 0 0 0 1 0	0 0 0 0 0 0 1 0	0 1 1 0 0 0 0 0 0 1 0	0 1 1 0 0 0 0 0 0 0 0	0 1 0 0 0 0 0 0 0 0 0	0 1 1 0 0 0 0 0 0 0 0 0	0 1 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
11 12 13 14 15 16 17 18 19	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0 1 0 0	0 0 0 1 0 0 1	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	000000000000000000000000000000000000000	0 0 0 0 0 0 0 0 1 0	0 0 0 0 0 0 1 0 0	0 0 0 0 0 1 0 0	0 0 0 0 0 1 0 0	060000100	0 12 0 0 0 0 0 0 0 0 0 0 0	050000000000	1 2 0 0 0 0 0 2 0 0	7 1 0 0 0 0 4 0 0	0000000400	000000000000000000000000000000000000000	0000000000	000000000000000000000000000000000000000	0 1 0 0 1 0 0 4 0 0	0 1 0 0 1 0 0 2 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
21 22 23 24 25 26 27 28 29 30	000000000	000000000	0 0 0 0 0 0 0 0	0000000000	000000000	0010000000	000000000	00000000	00000000	000000000	00000000	000000000	000000000	000000000	000000000	00000000	0 0 0 0 0 1 0 0 0	000000000	000000000	0000000000	0000000000	0 0 1 0 0 0 0 0 0	000000000	0 0 0 0 0 0 0 0 0	00000000
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0.2

PERCENTAGE OF DATA VALID -100.0 PERCENTAGE OF DATA INVALID - 0.0 PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. *- INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEJS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POLL	UTANT	- 5	ULPH	UR DIO	XIDE							ı	UNITS	- 0.0	1 PAR	TS/MI	LLION	N.						
	STAT	ION -	NE	NO	75016	٧	ERNER	PATRO	L YA	RD DOT	VER	NER				MONT	н - о	CT	77						
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 ME	LN.
1 2 3 4 5 6 7 8 9	0 0 0 0 0 0 0 0	0 1 0 0 1 0 0 0	0 1 0 0 0 0 0 0 0	0 1 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0	0 1 0 0 0 0 0 0 0 0	00000000	0 0 0 0 0 0 0 0	000000000	0000000000	00000000	000000005	000000000	000000000	000000000	000000000	0000000000	000000000	00000000000	0000000000	000000000	0 0 0 0 0 0 0 0 0
11 12 13 14 15 16 17 18 19 20	0 0 0 0 1 1 0 0 0 0	000000000	000000000	000000000	0000000000	0000000000	0 0 0 0 0 0 1 0 0	0 0 0 0 0 1 1 0 0	0 0 0 0 3 0 0 0	000000000	1 0 0 0 0 0 0	1 3 0 0 0 0 3 0 1 0	1 1 0 0 1 1 3 1 1 0	1 1 0 0 0 0 0	0 0 0 0 0 0 1 0	1 0 0 0 0 0 0 0 1 0	000000000	000000000	000000000000000000000000000000000000000	000000000	0000000000	0000000000	0 0 0 0 0 0 0 0 0	0000000000	0 0 0 0 0 0 0 0 0 0
21 22 23 24 25 26 27 28 29 30	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0	000000000	000000000	000000000	0 0 0 0 0 0 0 0 0	000000000	000000000	0 0 0 0 0 0 0 0	1 0 0 0 0 0 0 0 0 0	1 0 2 0 0 0 0 0	202000000	3 0 1 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0000	000000000	000000000	000000000	000000000	000000000	000000000	000000000	000000000	0 0 0 0 0 0 0 0 0	000000000
31 MEAN	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1

PERCENTAGE OF DATA VALID - 99.7 PERCENTAGE OF DATA INVALID - 0.3

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ******* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNITS - 0.01 PARTS/MILLION

	POL	LUTANI	- 5	ULPHU	B D10	XIDE							U	11112	. 0.0	II PAR	(12/WI	FLION							
	STA	TION -	NE	NO 7	5016	Vi	RNER	PATR	DL YA	ARD DO	T VER	NER				MONT	'H - N	ov	77						
HOUR DAY	1	2	3	4	5	6	7	8	9	10	1.1	12	13	14	15	16	17	18	19	20	21	22	23	24 M	EAN
1 2 3 4 5 6 7 8 9	000000000	000000000	000000000	00000000	0 0 0 0 0 0 1 0 0	000000000	000000000	0 0 0 0 0 1 1 0 0	0 0 1 0	0 0 0 0 1 0 0 0 1	0 0 0 0 0 1 0 0 4	0 0 0 0 0 0 0 0 1	000000000	0 0 0 0 0 1 1 0 0	0 0 0 0 0 0 0	0 0 0 0 1 1 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 1 0 0 0	0000000000	000000000	0 0 0 0 0 0 0 0 0
11 12 13 14 15 16 17 18 19 20	000000000000000000000000000000000000000	000000000000000000000000000000000000000	000000000000000000000000000000000000000	0 0 0 1 0 0 1 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 1 0 0 0 1 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0000000	0 0 0 4 0 0 0 1 0 0	0 0 0 0 0	00000000	0 0 0 0 0 0 0	000000000	0 0 0 0 1 0 0 1 0 0	000010000	0000000000	0000+00000	0 0 0 0 0 0 0	0 0 0 0 0 0 1 0 0	0 0 0 0 1 0 0	0 0 0 0 0 0 0 0
21 22 23 24 25 26 27 28 29 30	0 0 0 0 0 0 0	000000000	0 0 0 0 1 0 0 0 0	0 2 0 0 0 0 0 0 0	0 1 0 0 0 1 0 0 1	0 0 0 0 0 0 0 1	0 0 0 0 0 0 0 1	0 0 1 0 0 0 1	0 0 1 0 0 0 1	0 0 1	0 0 0 0 0 0 1 2	0 0 0 0 0 0 0 1	0 0 0 0 0 0 0 2	0 1 1 6 0 0 0 0 0 1	0 1 0 3 0 0 0 0 0 1	0 1 0 0 0 0 0 1	0 0 0 0 0 0 0	0 0 0 0 0 0 0 1	0 0 0 0 0 0 0 1	0 1 0 0 0 0 0 0 0 0 0 0	0 1 0 0 0 0 0 0 1	000000000	000000000	0 0 0 0 0 0 0 1	0 0 0 1 0 0 0 0 1
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2

PERCENTAGE OF DATA VALID - 99.6 PERCENTAGE OF DATA INVALID - 0.4 PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. *- INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POLI	UTANT	- S	ULPH	UR DIO	IDE							l,	INITS	- 0.0	1 PAF	RTS/MI	LLION							
	STAT	TION -	NE.	NO	75016		VERNER	PATR	OL YA	RD DO	T VE	RNER				MONT	тн - р	EC	77						
HOUR DAY	1	2	3	4	5	6	7	8	9	10	1.1	12	13	14	15	16	17	18	19	20	21	22	23	24 1	MEAN
1 2 3 4 5 6 7 8	1 0 0 0 0 0 0 0 0 0	1 0 0 0 0 0 0 0 0 0 0 0	100000000000000000000000000000000000000	1 0 0 0 0 0 0 0 0 0	000000000	0010000000	0000000000	0 0 1 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0	0 0 3 0 1 0 0 0 0 0	0 0 1 0 2 0 0 1 0 0	1 0 2 1 0 0 1 0	1 0 4 0 3 5 0 1 1 0	1 0 9 0 2 4 0 0 0	1 0 0 0 2 0 1 0 0	0 0 0 0 1 0 3	0 0 8 0 0 0 0 1 0 5	0 0 9 0 0 1 0 0 0 1	0 0 3 0 0 1 0 1 0 2	000000004	0 0 0 0 1 0 0 3	0 0 0 0 0 0 1	0 0 0 0 0 0 1	0 0 2 0 0 1 0 0 0 1
11 12 13 14 15 16 17 18 19	0 3 1 3 0 1 0 0	0 5 1 2 0 1 0 0 1 2	0 7 1 2 0 2 0 0	0 7 1 3 0 2 0 0 1	0 6 1 2 0 1 0 0 1 2	0 4 1 2 0 1 0 0 1 2	0 4 1 2 0 1 1 0 1	0 2 2 2 0 0 1 0 1 1	0 2 1 2 0 0 1 0	0 2 2 3 0 0 1 0 2 1	0 2 2 2 2 1 1 2 1	0 3 2 1 1 0 1 1 2 1	0 2 2 1 1 0 1 1	0 3 2 0 1 0 1 1	1 3 2 0 1 0 1 1 1	7 2 3 0 1 0 0 1 1	5 2 2 0 1 0 0 1 1 1 1	3 2 3 0 1 0 0 1 2 1	5 2 2 0 1 0 1 1 1 1 1	6 2 3 0 1 0 2 1 2 1	5 2 3 0 1 0 1 1	4 2 2 0 1 0 0 1 3 2	4 1 2 0 1 0 2 2 4	4 1 2 0 1 0 2 2 2	2 3 2 1 1 0 1 1 1 2
21 22 23 24 25 26 27 28 29	1 0 1 0 0 5 0 0	2 0 1 0 1 0 0 4 0 0	1 0 1 0 0 3 0 0	201000000000000000000000000000000000000	2 0 1 0 0 1 0 0 1 1 0 0 1	201000001111	2 0 1 0 0 0 0 1 0 1	2 0 1 0 0 0 1 0 0	2010000000	1 0 1 0 0 1 0 0 0	2 0 1 0 0 0 1 0 1	1 0 1 0 0 0 1 1	0 0 0 0 1 1 0	0 0 0 0 1 1 0	0 0 0 0 0 0 1 1 0 0	0 0 0 0 0 1 1 0 0	0 0 1 0 0 0 1 0	0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 1 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 2 0 0 4 1 1 0	0 0 2 0 0 5 1	1 0 0 0 0 1 1 0 0 0
31	0	0	0	0	0	0	0	1	1	0	1	1	0	0	0	0	0	0	0	1	1	0	1	1	0
MEAN	1	1	1	1	1	1	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.7

PERCENTAGE OF DATA VALID - 99.9 PERCENTAGE OF DATA INVALID - 0.1 PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. "-" INDICATES DATA IS UNAVAILABLE
 - 3. ****** INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1977

POLLUTANT - SULPHUP DIOXIDE

UNITS - 0.01 PARTS/MILLION

TATION - '	NO 75016 VERNER PAT	ROL YARD DOT VERNER		
MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	1.3	4	14
FEB	26	0.8	2	22
MAR	27	0.5	2	22
APR	30	0.3	2	5
MAY	31	0.5	2	15
JUN	29	0.9	2	12
JUL	31	1.0	2	8
AUG	29	0.6	2	10
SEP	30	0.2	2	12
OCT	31	0.1	1	5
NOV	30	0.2	1	6
DEC	31	0.7	3	9
YEAR	356	0.6	4	22

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

MONTHLY GROUP	FREQUENCY I	DISTRIBUT	ION FOR 1	977			
POLLUTANT - SU	LPHUR DIOXI	DE			U	NITS - 0,01	PARTS/MILLION
STATION - NE	NO 75016	VERNER	PATROL Y	ARD DOT VER	NER		
MONTH OO	TO 04 05	TO 10 11	TO 14 1	5 TO 25 26	TO 39 4	O &OVER	TOTAL
JAN	717	20	3	0	0	0	740
FEB	623	13	2	2	0	0	640
MAR	646	11	0	3	0	0	660
APR	717	2	0	0	0	o	719
MAY	734	9	0	1	0	0	744
JUN	692	8	2	0	0	0	702
JUL	741	3	0	0	0	0	744
AUG	711	11	0	0	0	0	722
SEP	715	4	1	0	0	0	720
ост	741	1	0	0	0	0	742
NOV	716	1	0	0	0	0	717
DEC	727	16	0	0	0	0	743
YEAR	8480	99	8	6	0	0	8593

-	,	7	
1	2	Ó	

ARITH MEAN

0.6

22

98 99 MAX

	STAT	ION	E 4	N.E.	NO.	75020		TEACH	ERS C	OLLEGE	151	AVE	NORT	н вач			MON	TH -	MAL	77						
HOUR	1.	2		3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1 2 3 4 5 6 7 8	0		•••				0	••••			,		- DA	DATA DATA DATA TA UN	INVAL INVAL INVAL INVAL INVAL INVAL	ID - ID - ID - ABLE	-	0	0 3	1	0	1 1		3	3 **** 4 1	
10	1	1		0	1	1	1	1	1	1	1	1	1	1	ó	ó		0	0	0	0	o	o	2	2	1
11 12 13 14 15 16 17 18 19	0 4 6 0 1 0 0 1	0 3 5 0 1 1 0 2 0 0		1 3 4 0 1 0 7 0	1 4 4 1 1 0 0 2 0 1	0 5 4 0 1 1 1 1 0 3	0 4 4 1 1 0 1	1	1 3 4 1 2 0 2 1 0 3	0 6 4 0 2 0 2 1 0 3	0 5 2 1 1 0 1 1 0 1	0 6 2 1 2 1 0 2 0 2	2 2 1 1 1 0 1 0 1 0	1 5 3 1 1 1 0 3 1 0	1 1 2 1 1 0 0 3 1	1 1 1 0 0 0 0 2 0 3	1 1 1 0 0 2 1	0 1 1 0 0 0 1 1 1 3	0	1 4 0 1 1 0 0 1 0 5	26011001005	280100011005	56110012004	3 5 0 1 0 1 1 0 4	6 4 0 2 1 0 1 0 3	0
21 22 23 24 25 26 27 28 29 30	3 0 2 2 4 0 0 0 1 0	3 0 2 3 4 0 1 0 0 0 0		4033401000	3 0 2 3 4 0 1 1 0 0 0	2 0 1 3 3 0 0 0 0		0 0 4 3 1 0 0 1 0	1 0 1 4 3 1 2 0 1 1		0 0 0 4 3 1 2 0 0 1 1	0 0 0 4 4 0 0 0 0	0 0 4 1 0 0 0 1 0	0 0 0 4 1 0 0 0 2 0	0 4 1 0 0 3 0	0 0 4 5 0 0 0 7	0 0 5 4 0 0 0 0 8	0 4 5 0 0 7	0 1 4 3 0 0 0 4	0 0 0 4 0 1 0 1 3 0 0	0205000100	0514000012000	0	1 1 4 0 0 0 0 2 0 0		1 1 4 2 0 0 1 2 0 0 1
MEAN	-1	1		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1.2

PERCENTAGE OF DATA VALID - 79.3 PERCENTAGE OF DATA INVALID - 10.9 PERCENTAGE OF DATA UNAVAILABLE - 9.8 NOTES 1. ****** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POLL	UTANT	- \$	ULPHI	UR DIO	KIDE							t	INITS	- 0.0	1 PAR	TS/MI	LLION								
	STAT	ION -	NE	NO .	75020		TEACHER	s c	OLLEGE	151	AVE	NORTH	BAY			MONT	н - ғ	EΒ	77							
HOUR	1	2	3	4	5	6	7	8	9	10	1.1	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	4
1 2 3 4 5 6 7 8 9	0 0 1 1 1 0 1 3 1 4	1 1 1 1 0 0 3 2 4	2 2 1 1 1 0 0 2 2 4	2 1 2 1 1 1 3 2 3	1 4 2 2 1 0 0 3 3 3 3	1 3 2 3 2 1 0 1 3 3	0 2 3 2 1 1 2 3 3	0 2 3 1 1 0 1 1 3 3 3	0 1 3 1 1 0 1 1 4 2	0 0 3 0 1 0 0 1 4 2	0 0 3 0 1 0 0 1 8 3	0 1 3 0 1 0 0 2 5 3	0 1 5 0 0 0 0 2 4 2	0 1 5 1 0 0 0 3 5 2	0 0 2 0 0 0 0 5 4 1	0 0 0 0 1 0 4 4 1	1 1 0 0 6 0 5 5 1	1 0 0 0 0 0 1 5 1	1 2 0 1 0 0 1 2 4 1	0 1 0 0 0 0 4 4 4 1	2 1 0 0 0 1 4 5 4 2	1 0 0 0 2 2 3 4 2	0 0 0 0 1 4 2 5 1	4 1 0 0 0 1 5 2 4 2		1 1 1 1 3 4 2
11 12 13 14 15 16 17 18 19 20	2 1 0 0 0 1 2 0 4 0	2 1 0 0 0 3 2 0 5 1	3 1 0 0 6 1 0 4	4 1 0 0 2 1 1 3 3	4 0 0 1 0 2 1 2 2 2 2	4 1 1 0 0 2 1 2 1 2	0 2 2 2 1	3 1 0 0 0 2 3 1 0 1	2 1 1 0 0 1 3 1 1 0	4 1 1 0 5 2 1 1	200000000000000000000000000000000000000	0 0 2 1 1 1	1 0 1 0 0 0 0 2 1 2	1 0 1 0 0 0 0 0 0 2 1 1	200000000000000000000000000000000000000	200000000000011	1 0 0 1 0 3 1 1	2 0 0 0 0 1 1 3 1 0	6 0 1 0 0 0 3 3 0 0	5 0 0 0 1 1 2 4 0 2	3 0 0 0 0 1 0 4 0 4	3 0 0 0 1 1 1 5 0 5	2 0 0 0 2 1 0 4 0 5	1 0 0 0 2 1 0 5 0		3 0 0 0 0 2 1 2 1 2
21 22 23 24 25 26 27 28	2 0 0 0 1 0 0 0	1 4 0 0 1 0 0 0 0 0	1 4 2 0 2 0 0 0	5 2 0 3 0 0	2 2 0 3 0 0 0	1 8 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5 1 0 0 0	1 2 0 0 2 0 0 9	1 2 0 0 1 0 0	0 0 0 0 0	1 0 0 2 1 0	0 0 1 0	1 0 0 0 1 0 0	000000	0 0 0 0 0 0	3 0 0 0 0 0 0	13 0 0 0 0 0 2 0	000000	3 0 0 0 0	5000000	6 0 0 0 0 0 0 0 0 0	20000500	00000000	1		2 2 0 0 1 1 0 0
MEAN	1	1.	1	2	1	2	1	1	1	1	1	1	1	1	1	1	2	1	4	1	1	10	1	1		1.2

PERCENTAGE OF DATA VALID - 99.9 PERCENTAGE OF DATA INVALID - 0.1

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. *- INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNITS . D.O1 PARTS/MILLION

	ST	ATION	- NE	NO	75020		TEACH	ERS C	OLLEG	E 151	AVE	NORTH	BAY			MON	TH -	MAR	77						
HOUR DAY	1	2	3	4	5	6	7	8	9	10	13	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1 2 3 4 5 6 7 8 9	0 0 0 0 0 0 3 1	000000000000000000000000000000000000000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	000000000000000000000000000000000000000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0010000100	0 0 4 0 0 0 0 2 1 0	0 0 6 0 0 0 4 2 0	0 6 0 0 0 3 1	0020200500	0010230000	0 3 0 1 4 0 0	6 0 2 0 1 2 0 2 1 0	4 2 0 0 0 8 0 0 2 0	500000000000000000000000000000000000000	5000000000	MOMODODOMO	000000000000000000000000000000000000000	0020004303	0 0 0 5 0 2 3	0 0 1 0 2 3 0 3	00200904	0 0 1 0 3 0 4	0000112404	0 0 0 1 1 2 1 1
11 12 13 14 15 16 17 18 19	3 0 1 0 0 0 0 4 3	200000022	000040022	000000000000000000000000000000000000000	0000000000	0000000000	0000000000	000000000000000000000000000000000000000	200000000000000000000000000000000000000	1 0 0 1 0 6 0 0 2 0	000000000000000000000000000000000000000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0000000000	0021000000	0 0 3 0 0 0 0 1 0	0 0 1 0 2 0	0 0 3 2 0 0 3 1 0 0	0021002000	6030001000	5010001000	1001000	0 0 1 0 0 0 0 0 0	0 0 1 0 0 0 1 3 2 0	000000000000000000000000000000000000000	000000000000000000000000000000000000000
21 22 23 24 25 26 27 28 29 30	000000000000000000000000000000000000000	000000000000000000000000000000000000000		000000000000000000000000000000000000000	0 0 0 0 0 0	000000000000000000000000000000000000000	****		00000000	000000000000000000000000000000000000000	0	000000000000000000000000000000000000000	0 0 0 0 0 0 0 0	0000000000	00000032	0 0 0 0 0 0 0 2 2	0 0 0 0 1 0 0	 2 0 0 2 0 0 0 0			0 0 0 2 0 0 1 0	000000000000000000000000000000000000000	000000000000000000000000000000000000000	0 0 0 1 0 0 1 0	0 0 0 0 0 0 0
31 MEAN	1	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 0.5
THE PARTY				v		_					-				3.0							,			100

PERCENTAGE OF DATA VALID - 96.4

PERCENTAGE OF DATA INVALID - 3.5

PERCENTAGE OF DATA UNAVAILABLE - 0.1

- NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE
 - 2. "-" INDICATES DATA IS UNAVAILABLE
 - 3. ******* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

UNITS - 0.01 PARTS/MILLION POLLUTANT - SULPHUR DIOXIDE TEACHERS COLLEGE 1ST AVE NORTH BAY MONTH - APR 77 STATION - NE NO 75020 13 14 15 16 17 19 20 21 22 23 24 MEAN В HOUR DAY 2 3 4 5 6 7 8 9 12 13 14 15 16 17 18 19 20 00001-0000 0000-00000 22 23 24 25 26 27 28 29 30 1 0 0.3

PERCENTAGE OF DATA VALID - 98.6

PERCENTAGE OF DATA INVALID - 1.4

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE
 - 2. "-" INDICATES DATA IS UNAVAILABLE
 - 3. "***** INDICATES LEJS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNIIS . O.O. PARTS/MILLION

	ST	ATION	- NE	NO	75020)	TEACH	ERS C	OLLEG	E 1ST	AVE	NORT	н вач			MON1	гн - и	YAN	77						
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 1	MEAN
1 2 3 4 5 6 7 8 9	1 0 0 0	0 0 0 0 1	1 0 0 0 0	000000000000000000000000000000000000000	0 0 0	000000000000000000000000000000000000000	0 0 0 0 3	1 0 0 0 0 3	0 0 0 0 1	0 0 1	0 0 1 0 1		DATA	INVALI INVALI INVALI INVALI O 1 0 0	D -	1 0 0 0 0 0 0	1 0 0 0 0 0	1 0 0 0 1 0	1 0 0 1 0	1 0 0 2 0 0	0 0 0 0	0 0 1 0 0	1 0 0 1 0 0	0 0 1 0 0	0 0 0 1
11 12 13 14 15 16 17 18 19	0 1 0 1 1 0 0 1 1 1	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 2 1	0 0 0 0 0 1 1 1 2	0 0 0 1 0 1 1 1 1 2	0 2 0 0 1 0 1 2 1 1	0 0 0 1 0 1 1 1 1	1 0 0 0 1 0 1 1 1	000000000000000000000000000000000000000	0 0 0 1 1 2 2	0 0 0 0 1 1 1 2	0 2 0 0 0 0 1 1 1 1 2	1 2 0 0 0 0 1 0 5 3	1 2 0 1 0 0 1 0 6 4	1 200000054	1 0 0 0 0 0 5 1	1 0 0 0 1 1 0 0 5 1	0 0 0 0 0 0 0 2 1	0 0 0 1 1 0 0 2	0 0 0 0 1 1 0 0 2	0 0 0 0 0 1 0 0 1	0 0 0 0 1 0 1 2	0 0 0 0 0 1 1	0 0 0 0 0 2 2	0 1 0 1 0 2 2
21 22 23 24 25 26 27 28 29 30	2 2 1 0 1 2 1 0 0	2 1 0 1 1 1 0	1 1 2 1 0 1 1 1 1 0 0	1 1 2 2 2 0 2 2 2 1 0 0	1 2 0	1 2 2 1 0 1 2 0 0	0	222002000		2 2 1 2 0 0 1 1 0 0	2 2 1 2 0 0 1 0 0 0 0	0	1 0	1 2 1 1 0 0 3 0 0	1 1 0 0 0 3 0 0 0	200000000000000000000000000000000000000	1000000000	000003000	0000000000	1 0 0 0 1 1 0 0 0	1 0 0 0 1 1 0 0 0	2 0 0 1 1 0 0 0	1 0 0 1 1 0 0 0	2 2 0 0 0 1 1 0 0 0	1 1 1 0 1 2 0 0 0
31 MEAN	1	1	0	1	0	0	0	0	0	0	0		0	0	0	1	0	0	0	0	0	0	0	0	0.6

PERCENTAGE OF DATA VALID - 85.2 PERCENTAGE OF DATA INVALID - 14.8

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. ****** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. . " INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POLL	UTANT	- S	ULPH	UR DIO	XIDE						U	NITS	0.0	1 PAR	TS/MI	LLION							
	STAT	ION -	NE	NO	75020		TEACHERS	COLLEGE	151	AVE	NORTH	BAY			MONT	H - J	UN	77						
HOUR DAY	1	2	3	4	5	6	7	8 9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 ME	ΔN
1 2 3 4 5 6 7 8 9	0 0 1 0 1 3 0 1 1	1 0 1 0 2 2 0 1 1	2 0 1 0 1 2 0 1 1	1 0 1 1 1 1 1 1 1	1 0 1 1 0 0 1 1 1 1	1 0 1 1 1 1 1 1		1 1 0 0 0 2 1 1 2 1 1 1 2 2 1 1 1 1 1	1 1 3 3 2 1	1 2 2 4 1 1 1	1 1 3 1 2 3 1 1 1 1 1	1 3 1 1 1 1	1 0 2 1 1 2 1 1	0 0 2 1 2 2 0 1 1	0 0 1 1 1 2 0 1 2	0 7 2 0 1 0	0 0 1 2 0 1 0 1 1	00000000	0 1 0 2 0 0 0 0	0 1 0 0 0 0	0 1 0 2 0 0 0 0	0 1 0 0 1 1 1 1	0 1 0 2 1 0 1 1 1	1 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
10 11 12 13 14 15 16 17 18 19	2 1 1 1 0 1 1 1 1 1 1 1	2 1 1 0 1 0 2 1 0 1	1 1 0 1 0 1 1 0 3	0 2 1 0 1 0 2 2 0 2	2001	1 0 1 1 1 1 2 1 1 1 1	1 2 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 2 2 1 2 1 1 2 1 1 1 1 1 1 1 1 1 1 0 1 1	1 1 1 1 1 3 1 0 2	1 4 1 1 2 1 1 2 1 1 2 2	1	1 1 1 1 3 1 1 2	1 1 1 1 1 1 1 1 1 1 1	1 1 1 2 1 1 4 2 1 3	1 0 1 4 0 1 2 2 1 1	0 0 0 4 0 1 2 2 1 1	0 1 1 4 0 1 1 1 1	1 0 2 0 2 0 2 3 1 1 1	1 2 4 1 0 0 1 2 1 1 1 1	2 1 3 1 0 1 2 1 1 1 1 1	2 3 1 0 1 1 1 0 1 1 1	2 2 2 0 1 1 1 1 1	1 1 1 0 0 1 1 0 1 0	1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
21 22 23 24 25 26 27 28 29 30	0 1 1 2 1 2 2 2 2 2	0 1 1 2 1 3 2 2 2 2	0 0 1 1 2 1 1 2 2 1	0 0 1 0 2 1 2 2 1 1	0 0 1 1 2 1 3 1 1 1 1	0 0 1 2 1 2 2 1 1 1 1	0 2 1 1 2	1 1 1 1 1 1 1 2 2 2 3 3 2 1 1 0 0 0 2 2	1 1 1 1 2 2 0 0 2	0	0 0	1 1 2 3 1 2 3 1 2	1 1 2 2 2 1 2 2 1 2	1 2 3 2 1 2 2 1 2	0 1 2 3 1 1 2 2 1 3	0 1 2 2 2 1 1 2 1 2	0 1 1 2 1 2 1 2 1 2	0 1 1 2 2 2 2 2 1 3	0 1 1 2 3 3 2 2 1 3	0 2 1 2 4 3 2 2 0 3	0 1 2 2 2 3 3 3 0 3	2 2 2 3 4 0 3	0 1 1 2 1 2 4 2 0 2	0 1 2 2 2 2 2 1 2
MEAN	1	1	1	1	1	1		1 1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1.2

PERCENTAGE OF DATA VALID - 99.6 PERCENTAGE OF DATA INVALID - 0.4

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. *- INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - SULPHUR . . . DE

UNITS . O.O1 PARTS/MILLION

	STA	TION -	NE	NO	75020		TEACHE	RS CC	LLEGE	157	AVE	NORT	H BAY			MONT	н - ,	JUL	77						
DAY	3	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 1	MEAN
1 2 3	1	2 1 0	2 0	1 0	1 1 0	1 0	1	1 1 2	1 1 2	1 1 2	0 2 2	0 1 3	1	1 1	1 2	1 2	1 5	7	1 2	0	0	0	0	1	1 2
4 5 6 7	2 2 2 0	1 2 1 1 0	1 3 1 1 0	1 2 1 1 0	1 1 1 0	1 1 0	0 1 1	2 0 1	1 1	1 1 1	1 1 1	2 1 0	1 0	1 1 0	2 1 1 0	1 1 0	1 1 0	1 1 1 0	2 1 1 1 0	2 2 1 0	2 2 1 0	2 2 1 0	2 2 1 0	2 1 1 0	1 1 1
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 12 13 14 15 16 17 18 19	000000000	0 0 0 0 0 0 0 0	000000000	0 0 0 0 0 0 0 1	0 0 0 0 0 0 0 0	000000000	0000000000	000000000	0 0 0 0 0 0 0 0 0	000000000	000000000	0 0 0 0 0 0 0	000000000000000000000000000000000000000	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0000000000	0 1 0 0 0 0 0 0 0	0 1 0 0 0 0 0 0 0	0000000000	0 0 0 0 0 0 0 0 0	0 1 0 0 0 0 0 0 0	010000000	0000000000	0 0 0 0 0 0
21 22 23 24 25 26 27 28 29 30	000000000	0 0 0 0 0 0 0 0	000000100	0 0 0 0 0 1 0 0	0 0 0 0 0 0 0 0 0	00000000	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0	003000000	000000000000000000000000000000000000000	0 0 0 0 0 0 0 0 0	0 0 0 0 0 0	000000000	000000000000000000000000000000000000000	000000000	000000000	0000000000	0000000000	000000000	000000000	000000000	000000000	000000000	000000000	000000000
31 MEAN	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
																				177		- 20	-	-	

PERCENTAGE OF DATA VALID - 100.0 PERCENTAGE OF DATA INVALID - 0.0

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

	STA	TION	- NE	NO	75020		TEACHER	es co	LIEGE	151	AVE	NORTH	BAY			MONT	тн - д									
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	77 19	20	21	22	23	24	MEAN	
1 2 3 4 5 6 7 8 9	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0000000	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0 1 0	0 0 0 0 0 0 1 0	0 0 0 0 0 1 0	3 0 0 0 0 0 0 0 1 0	2 0 0 0 0 0 1 0 0 0	0	0 0 0 0 1	00.0000000	00,000000	0 0 0 0 0 0 1 0	0 0 0 0 0 0 1 0	0 0 0 0 0 1 0	0 0 0 1 0 1 1 0	0 0 7 0 0 1 0	0 0 0 0 4 0 0 1 0	00-0020010	00-0000100	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 1 0		0 0 1 0 0 0 1 0	
11 12 13 14 15 16 17 18 19	0 0 0 1 0 0 1 1 1 1	0 0 0 1 1 0 0 1 1	0 0 0 1 1 0 0 1 1	0 1 0 2 1 0 0 0 1 1	0 1 0 0 1 1 1	0 1 0 1 1 0 0 2 1	0 1 0 0 1 1 0 0 5 1	0 0 0 1 1 0 1 2 1	0 5 0 0 1 1 0 1 * 1	0 2 0 0 0 1 1 1 1 1 1	0002012004	0 2 0 0 0 1 1 1 1 1 1 1	0202011010	0 1 0 4 0 0 1 0 1 0	0 0 0 5 0 1 2 0 1 0	0 0 0 2 2 1 2 0 1 0	0 0 0 1 1 1 0 2 1	0 0 0 0 2 1 0 1	0 0 0 0 3 0 2 1 1 0	0 0 0 0 2 0 1 0 0 1	0 0 0 0 1 0 0 1	000000110	0 0 0 0 0 0 1 1 0	000000101	0 1 1 1 0 1 1	
21 22 23 24 25 26 27 28 29 30	1 0 0 1 0 0 0 0 1	0 0 1 0 0 0 0	0 0 4 0 0 0 1 0 0 0	0 0 0 0 0 0 0 0	0 1 1 0 0 0 0 0	0 1 2 0 0 0 1 0 0 0	0 0 0 0 0 0 0	0 0 1 0 0 1 2 0 0 1	0 0 1 0 0 1	0 0 1 0 0 1 2 0 0	0 0 1 0 0 1	0 0 0 0 0 0 0	0 0 1 0 0 0 0	0 1 3 0 0 0 0 1 0 0 0	0 3 2 4 0 1 1 0 0 0	0 2 1 2 0 0 1 0 0 0	0 0 1 0 0 0 0	0000001000	000000000000000000000000000000000000000	000000000	0 0 0 0 0 0 0 1 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 1 0 1 0	0000000	0 0 1 0 0 0	
31 MEAN	0	0	0	0	0	0	1	1	1	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0.4	

PERCENTAGE OF DATA VALID - 96.2

PERCENTAGE OF DATA INVALID - 0.5

PERCENTAGE OF DATA UNAVAILABLE - 3.2

- "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

	POL	U I MILE	. 3	or-nu	n Div	5.6 S/ S																			
	STA	TION -	NE	NO 7	5020	Ţ	EACHE	RS CO	LLEGE	151	AVE	NORTH	BAY			MONT	н - 9	EP	77						
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 M	EAN
1 2 3 4 5 6 7 8 9	0 1 1 0 0 0 2 0 0	0 1 1 0 0 1 2 0 0	0 1 1 0 0 2 1 0 0	0 2 1 1 0 0 1 1 0 0	0 1 1 1 0 0 1 1 0 0	0 1 1 1 0 0 1 1 0 0	0 1 1 0 1 1 0 0	0 1 1 0 0 0 1 1 1 0	0 1 1 0 0 0 1 1 1 2 0	0 1 0 0 0 1 0 2 0	000000000000000000000000000000000000000	000000000000000000000000000000000000000	000000000	0 0 0 0 0 0 0 2 1	000000000000000000000000000000000000000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	000000000000000000000000000000000000000	000000000000000000000000000000000000000	0 0 0 0 0 0 0 1 0	0 2 0 1 3 0 0 0 1 0	0 3 0 0 4 0 0 0 1 0	0 2 0 0 4 0 1 0 1 0	1 0 0 0 2 0 1 0 0 0	1 0 0 1 0 2 0 0 0	0 0 0 0 1 0 0 1 0 0
11 12 13 14 15 16 17 18 19 20	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	000000000	0 0 0 0 0 0 0 1 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	000000000000000000000000000000000000000	0 0 0 0 1 0 0 0 2 0	0 0 0 0 1 0 0 1 0	0 0 1 2 1 0 0 0 0 0 0	0 1 1 3 2 0 0 0 1 0	1 1 0 2 0 0 0 0	0 1 1 1 0 0 0 1 0 0	0 1 1 1 0 0 1 0 0	0 2 0 0 0 0 0 0	0 3 0 0 0 0 0 0	030000000	0 2 0 0 0 0 0 0 0	200000000	5 1 0 0 0 0 0 0 0	6 0 0 1 1 1 0 0 0	2 0 0 1 1 1 1 0 0 0	0 0 0 1 0 0 0	0 0 0 0 0 0 0	0 0 0 1 1 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0
21 22 23 24 25 26 27 28 29 30	1 0 0 0 0 0 0 0 0	0 0 1 1 0 0 0 0 1	0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 1	0 0 0 0 0 0 0 1	0 0 0 0 0 0 1	001000001	0 0 0 0 0 0 1 1	0 0 1 1 0 0 0 0 1	0 0 1 1 0 0 0 1	0 **** 1 1 0 0 0 0 0	0 0 1 1 0 0 0 1 1	0 0 0 0 1 0 0 0	0 0 0 0 1 1 0 2	0 0 0 0 1 1 0 3	0 0 0 0 1 1 0 2 -	0 0 0 0 1 1 0 2 -	0 0 0 0 1 1 0 2 -	0 1 0 0 1 0 0 2	0 1 1 0 0 1 0 0 1 1 -	0 1 0 0 1 0 -	0 1 1 0 0 1 0 -	0 0 0 0 1 0 1 0 0	0 0 0 0 1 0 1 1 1 1 1	0 0 1 0 0 0 1
MEAN	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0.4

PERCENTAGE OF DATA VALID - 98.2 PERCENTAGE OF DATA INVALID - 0.1 PERCENTAGE OF DATA UNAVAILABLE - 1.7

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEJS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POLL	UTANT	- S	ULPH	AUR DIOX	IDE						U	NITS	- 0.0	1 PAR	TS/MI	LLION	į						
	STAT	ION -	NE	NO	75020		TEACHERS	COLLEGE	151	AVE	NORTH	BAY			MONT	н - о	СТ	77						
HOUR DAY	1	2	3	4	5	6	7	8 9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 N	EAN
1 2 3 4 5 6 7 8 9	0 0 0 0 0 1 1 2 1	0 0 0 0 1 1 1 1 1 2	0 0 0 0 1 3 1 1 1 1	0 0 0 0 2 1 0 2 1	0 0 0 0 2 1 0 1 1	0 0 0 0 1 2 1 0 1 1	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 1 1 1 1 1 1 1 1 1 1	0 0 0 0 1 0 0 1 1	0 0 0 0 0 1 1 1 0	0 0 0 0 1 1 1 1	0 0 0 0 0 1 1 1	0 0 0 1 1 1 1 1 1 1 1 1	0 0 0 1 1 0 1 1 0	0 0 0 1 1 0 1 1 0	0 0 0 1 1 1 1 1 1 0	0 2 0 0 1 1 1 1 0 1	0 1 0 1 0 0 1 1 1 0 2	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 1 0 0 2 0 2 1 0 1	0 0 0 0 2 0 0 1 2 1	0 0 0 1 0 1 1 2 1	0 0 0 0 0 1 1 1 1 1	0 0 0 1 1 1 1 1 1 1 1 1
11 12 13 14 15 16 17 18 19 20	1 1 0 0 0 0 1 0 1	1 1 0 0 0 0 1 0 0	2 1 1 0 0 0 0 0 0 0 0	1 1	1 1 0 0 0 0 0 0 0 0	1 1 0 0 0 0 0	0 0 0	0 0 0 0 0 0 0 0 0	00000	2 2	0 0 0 0 0 1	3 2 0 1 0 0 0 0 2	37 0200006	0 0 0 0 0 7	1 3 0 0 0 0 0 0 0 4	000000000000000000000000000000000000000	0 0 0 0 0 0 3	1 0 0 1 0 1 3	0 0 0 0 0 0	0 0 0 0 0 0 1 0	0 0 0 0 0 0 0	0 0 0 0 1 0 1 0	0 0 0 0 0 0 0 0 0	0 0 0 0 0 1
21 22 23 24 25 26 27 28 29 30	1 1 0 2 2 1 0 0	1 1 1 2 2 1 1 1 0	0 1 0 2 1 1 1 1 0	1 1 0 1 1 1 1 1 0	0 0 0 2 1 0 1 1 0 0 0	0 0 1 2 1 1 2 1 0 1	0 2 1 1 1 1 1 2	0 1 0 0 2 3 1 1 2 2 1 1 1 1 1 1 1 0 0 0	1 0 3 1 2 1 1 2 0 1	0 0 1 1 3 1 2 1 0 1	1 0 1 1 2 1 0 1 1	1 0 1 0 2 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 0 1 0 2 1 2 0 2 1	0 0 0 1 2 0 0 0 1 1	0 0 0 1 2 0 0 1 1 0	0 0 0 1 1 0 0 0	1 0 1 0 0 1 1 0 0	0 0 1 1 3 0 0 1 1 0	1 0 1 2 3 0 1 1 1 0	1 0 2 1 1 0 0 1 0 0	1 0 1 2 2 1 1 0 1 0	1 0 1 1 2 2 0 0 0 0	1 0 1 1 2 1 1 0 0	1 0 1 1 2 1 1 1 0 1
31 MEAN	0	0	0	0	0	0		0 0	1.	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0.6

PERCENTAGE OF DATA VALID - 96.2 PERCENTAGE OF DATA INVALID - 0.4 PERCENTAGE OF DATA UNAVAILABLE - 3.4

- 2. "-" INDICATES DATA IS UNAVAILABLE
 - 3. "***** INDICATES LEJS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

			100										1/2	100000000000000000000000000000000000000			SECURIT OUR								
	STA	TION	• NE	NO :	75020	,	EACHE	RS CO	LLEGE	t S T	AVE	NORTH	H BAY			MON	тн - н	VOV	77						
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 M	EAN
1	0	0	1	,	1	•	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	
2	1	1	1		1	1	2	1	1	2	0	0	1	2	2	3	1	1	1	1	0	0	.1	1	
3	*	3.00			5.4	-	1040	(41)	127	~	(•	1	0	0	0	0	0	0	0	0	0	0	0	0 *	••••
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	1	1	1	0	0	0	0	0	0	0	0	0	о	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	1	1	1	1	0	0	0	0	0	
7	0	0	0	0	0	0	0	0	٥	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	a	0	0	0	0	0	0	0	0	0	0	0	0	0	٥	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Ö	ő
10	0	0	0	0	0	0	0	0	0	0	0	٥	0	0	0	1	0	0	0	0	0	0	O	U	U
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	٥	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	o	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	1	1	1	2	2	2	0	0	1	2		0	0	1	1	1	1	1	0	0	1	1
14	1	1	1	1	1	3	2	3	4	2	1	1	2	6	3	3	3	2	2	2	1	0	1	1	2
15	0	0	0	0	0	0	0	1	1	1	3	- 1	2	1	1		- 1	1	0	,	1	0	1	1	
16	1	1	1	1	1	0	1	1	1	1	1	1	0	0	1	0	,	0	0	1	0	0	ċ	- 1	ò
17 18	0	0	0	0	0	0	0	0	0	0	0	0	ů	ō	0	·	0	1	0	0	3	٠	٠		·
19	!	1	1	1	1	0	٠	0	0	0	Ö	0	ò	ò	ò	ò	ò	ò	0	٠		ò	- 1	- 1	
20	ò	1	1	,	,	1	,		1	1	٠		٠	1	1	Ÿ	ř	ĭ	٠	- 1		Ÿ	- (- 1	
20	0	'	1	- 1	39.1		,		1	500				,	240						18:	96			
21	1	1	0	0	0	1	1	1	1	0	1	1	0	0	0	0	0	0	0	1	,	1	1	1	1
22	2	2	2	3	3	3	2	2	2	1	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	1	1	1	1	1	1	1	1	1	1		1	0	1	1	2	0	0	1	1	0	0	0	0	1
25	0	0	3	0	0	1	1	1	1	1	1	1	0	١	1	0	0	0	0	0	0	0	0	1	0
26	0	0	0	0	0	٥	3	3	2	1	0	0	0	0	0	0		0	0	0	0	0	0	0	0
27	0		O	0	0	0	0	0	1	0	0	1	0	0	1	0	1	1	1	0		0	0	0	0
28	0	0	0	1	0	0	0	0	0	1	1	0	0	٥	1	٥	0	- 1	2	2	2	1	1	2	- 1
29	1	1	1	0	0	0	o	2	0	0	0	1	1	1	- 1	2	3	- 1	2	1	3	2	2	ő	2
30	1	1	2	2	2	2	2	3	3	3	3	3	2	2	2	2	2	1	0	0	٥	U	u	u	- 2
MEAN	0	0	1	1	0	1	1	1	1	1	0	10	0	1	1	1	1	0	10	1	0	0	0	0	0.5

PERCENTAGE OF DATA VALID - 98.3 PERCENTAGE OF DATA INVALID - 0.1

PERCENTAGE OF DATA UNAVAILABLE - 1.5

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POLI	UTANT	· 5	JLPH	IUR DIOX	IDE						ι	INITS -	0.0	1 PAI	TS/MI	LLION							
	STAT	ION -	NE	NO	75020		TEACHERS	COLLEGE	151	AVE	NORTH	BAY			MONT	тн - р	EC	77						
HOUR DAY	1	2	3	4	5	6	7	8 9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1 2 3 4 5 6 7 8 9 10	0 1 0 3 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 1 0 3 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 1 0 3 0 0 0 0 0 0 1 2 0 0	010300000000000000000000000000000000000	000200000000000000000000000000000000000	0011000000	0 0 0 0 0 0 0 0 0 0 0 0	00 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0	0040200	002010000000000000000000000000000000000	001000000000000000000000000000000000000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	002000000000000000000000000000000000000	1 0 3 0 0 0 0 0 1 0 0 0 0	000000000000000000000000000000000000000	001000004	004000000000000	002000003	1010000006	001000000000000000000000000000000000000	000000001 000	000000000000000000000000000000000000000	0 0 0 0 0 0 1 0 0 1 0 0 0 0 0 0 0 0 0 0
14 15 16 17 18 19	0	0 1 0	0	0 0 2 0	0	0	1	0 0 0 1 2 0 0	0 1 0	0 2 0	2 0 - DATA - DATA	L UNA	O 2 VAILAE VAILAE VAILAE	BLE -	e e	0	1	1	0	0	0	0	0	0 1
21 22 23 24 25 26 27 28 29											- DATA		AVAILAE AVAILAE AVAILAE AVAILAE AVAILAE AVAILAE AVAILAE	BLE -										
31											- DATA	UNA	VAILAE	BLE -										
MEAN	0	0	1	0	O	0	0	D 1	0	1	o	0	0	0	o	0	0	1	0	1	0	٥	٥	0.4

PERCENTAGE OF DATA VALID - 50.0

PERCENTAGE OF DATA INVALID - 0.3

PERCENTAGE OF DATA UNAVAILABLE - 49.7

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEJS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1977

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION . NE	NO 75020	TEACHERS	COLLEGE	IST AVE	NORTH BAY
--------------	----------	----------	---------	---------	-----------

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	24	1.2	4	12
FEB	28	1.2	4	13
MAR	29	0.5	2	9
APR	30	0.3	1	9
MAY	26	0.6	2	6
JUN	30	1.2	2	7
JUL	31	0.3	2	7
AUG	29	0.4	1	7
SEP	29	0.4	1	6
OCT	29	0.6	2	7
NOV	29	0.5	2	6
DEC	15	0.4	1	6
YEAR	329	0.6	4	13

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1977

MONTHET GROOP	PREQUERCY	DISTRIBUTI	OH FOR 15				
POLLUTANT - SU	LPHUR DIOX	IDE			UN	TS - 0.0	PARTS/MILLION
STATION - NE	NO 75020	TEACHER	S COLLEGE	1ST AVE	NORTH BAY		
MONTH OO	TO 04 05	TO 10 11	TO 14 15	TO 25 26	TO 39 40	&OVER	TOTAL
JAN	559	30	4	0	0	0	590
FEB	640	30	7.	0	0	0	671
MAR	705	12	0	0	0	0	717
APR	704	6	0	0	0	0	710
MAY	629	5	0	0	o	0	634
JUN	716	1	0	0	0	0	717
JUL	742	2	0	0	0	0	744
AUG	712	4	0	0	0	0	716
SEP	705	2	0	0	0	0	707
OCT	712	4	0	0	0	0	716
NOV	707	1	0	0	0	0	708
DEC	371	.1	0	0	0	0	372
YEAR	7902	98	2	0	0	0	8002

FREQUENCY	DISTRIBUT	ION BY	PERCENTILES									
	PERCENT						TRATIONS					
	OF DATA				FREQUENCY	DISTR	IBUTION.	PERCENT				ARITH
	VALID	MIN	10	30	50	70	90	95	98	99	MAX	MEAN
	91.3	0	0.0	0.0	0.0	0.3	1.5	2.2	3.5	4.4	13	0.6

	STAT	TION .	NΕ	NO 7	7001	p	ENAGE	SUDB	URY A	IRSHE	D					MON	гн	JAN	77						
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 M	EAN
1 2 3 4 5 6 7 8 9	0000000000	000000000	0 0 0 0 0 0 0 0	00000000	000000000	0 0 0 0 0 0 0 3	000000000000000000000000000000000000000	0 0 0 0 0 0 0 0 10	0 0 0 0 0 0 1 0 9	0 0 0 0 0 0 1 0 7	000000302	0 0 0 0 0 4 1 5	000000135	0 0 0 0 0 0 7 8	000000044	0 0 0 0 0 0 0 0	0 0 0 0 2 0 0 0 25 4	0 0 0 0 2 0 0 0 17 2	0 0 0 0 0 0 0 1 4 2	0 0 0 3 0 0 0 13 0	000020080	000000000000	0 0 0 0 1 0 0 0 3 0	0 0 0 1 0 0 1 0	0 0 0 1 0 0 0 5 3
11 12 13 14 15 16 17 18 19	0000000000	000000000	0 0 0 0 0 0 1 0 0	0 0 0 0 0 0 1 0 0	0 0 0 0 0 1 0 0	000000000000000000000000000000000000000	0000000000	000000000000000000000000000000000000000	0 0 0 0 0 1 0 0	00000000000	0 0 0 0 0 0 1 0 0	0 0 0 0 0 0 1 0 0	0 0 0 0 0 0 1	0 0 0 0 0 0 1	000000000	000000000	000000000	000000000	000000000	000000000	0000000000	000000000	000000000	0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
21 22 23 24 25 26 27 28 29	000000000	000000000	0 0 0 0 0 0 0 0 0	000000000	000000000	000000000	000000000	000000000	0 0 0 0 0 0 0 0 0	000000000	0 0 0 0 0 0 0 0	000000000	0 0 0 0 3 0 0 0	0 0 1 0 0 1 0 8 0	0 0 1 0 0 0 1 0 0	02000000	00000000	0 0 4 0 0 0 0 0 0	000000000	0 0 0 0 0 0 0 0	00000000	0000000000	000000000	000000000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	1	- 1	0	1	1	1	1	1	0	0	0	0	0.4

PERCENTAGE OF DATA VALID - 99.7 PERCENTAGE OF DATA INVALID - 0.1

PERCENTAGE OF DATA UNAVAILABLE - 0.1

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- "-" INDICATES DATA IS UNAVAILABLE
- 3. "****** INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

POLLUTANT - SULPHUR DIOXIDE UNITS - 0.01 PARTS/MILLION STATION - NE NO 77001 PENAGE SUDBURY AIRSHED 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 MEAN DAY 0 0 - DATA UNAVAILABLE 0 0 1 0 o ó o o o o ò 12 13 14 15 16 17 18 19 20 22 23 24 25 26 27 0 0 0 0 4 MEAN O 0.1

PERCENTAGE OF DATA VALID - 93.9

PERCENTAGE OF DATA INVALID - 0.3

PERCENTAGE OF DATA UNAVAILABLE - 5.8

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. "***** INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

		F 90 7 10 15	-	O L / HC	A. W. L. C.	WINE								INITS	. 0.0	DI PA	TS/M	ILLION	Ý.						
	STA	TION	- NE	NO 7	7001	р	ENAGE	SUDB	URY A	AIRSHE	ED					MON	H - 1	MAR	77						
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1 2 3 4 5 6 7 8 9	000000000000000000000000000000000000000	000000000	000000000	000000000	000000000	000000000	0 0 0 0 0 0	000000000	0 0 0 0 0 0 0 0 0	000000000	000000000	0 0 1 0 0 0 0 0 0	0 0 0 0 0 0 0	000000000	0 0 1 0 0 0 0 0 0 0	0 0 3 0 0 0 0 0 0	0010000000	000000000	005000000	0 0 0 0 0 0 0 0 0	006000000	004000000	0 0 3 0 0 0 0 0 0	004000000	0 0 2 0 0 0 0 0
11 12 13 14 15 16 17 18 19	000000000	0000000000	000000000	000000000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0000000000	00000000000	0 0 0 0 0 0 1 0 0	0 0 0 0 0 0 0 0	000000000	000000000	000000000	00000000	000000000000000000000000000000000000000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	000000000000000000000000000000000000000	00000000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 4 0 3	000000000000000000000000000000000000000	000000000000000000000000000000000000000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	00000000	00000000	000000000000000000000000000000000000000
21 22 23 24 25 26 27 28 29 30	00000000	0 0 0 0 0 0 0 0	002006000	000000000	000000000	000000000	000000000	0000000000	0 0 0 0 0 0 0	0 8 0 0 17 0 0	0 6 0 0 0 11 0 0 0 0	0 13 0 0 0 10 0	0400080000	000042000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0000000000	0000000000	000000000	000000000	000000000	000000000	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0	0 2 0 0 0 0 0 0 0	0 2 0 0 0 0 3 1 0 0 0
31 MEAN	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0.3

PERCENTAGE OF DATA VALID - 99.9 PERCENTAGE OF DATA INVALID - 0.1

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. ****** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	P	OLLUTAN'	- 1	SULP	HUR DI	OXID	E							UNIT	s · o.	01 PA	RTS/N	ILLIC	N						
	S	TATION	NE	NO	77001	t	PENAGE	SUE	BURY	AIRSH	ED					MON	TH -	APR	77						
DAY	.1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1 2 3 4 5 6 7 8 9	000000000000000000000000000000000000000	000000000	0 0 0 0 0 0 0	0 0 0 0 0	0000400000	0000000000	000000000	000000000	00000000	0000000000	000000000000000000000000000000000000000	00000000	000000000	000000000000000000000000000000000000000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	000000	0000003	000000000	000000000	000000000	000000000	0000000000	00000000	0000000000	0 0 0 0 0 0 0
11 12 13 14 15 16 17 18 19 20	000000000000000000000000000000000000000	0 0 0 0 0 0 0 0	000000000000000000000000000000000000000	0 0 0 0 0 0 0 0 0	000000000000000000000000000000000000000	000000000	0 0 0 0 0 0 0 0 0	060000000	0900000000	0 3 0 27 0 0 0	0 0 71 0 0 0	130000000000000000000000000000000000000	0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	000600000	000500000	0005000000	000900000	0 0 0 0 0 0 0	0000000000	1500000	0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0	000800000	0 1 0 9 1 0 0 0
21 22 23 24 25 26 27 28 29 30	****	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		000000	00000000	000000000000000000000000000000000000000	0004	000400	0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 4 1 0 0 0 0 0	0 4 0 20 1 0	0 3 0 22 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 4 0 34 0 0	50 0 0	10 0 16 0 0	030900		000000000000000000000000000000000000000	000000000000000000000000000000000000000	00000	000000000000000000000000000000000000000	0 1 0 8 0 0
MEAN	0	0	0	0	0	0	0	0	0	1	3	1	0	1	1	2	2	1	1	1	1	0	0	0	0.7

PERCENTAGE OF DATA VALID - 95.6 PERCENTAGE OF DATA INVALID - 4.4

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. "**** INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

		- 0			0.0.	TUL								3MI 12	. 0.0	A PAR	(12/W)	LLIO	N							
	STA	TION -	NL	NO 7	77001	P	ENAGE	SUDBU	RY	AIRSHE	D					MONT	(H -)	ĮΑY	77							
HOUR DAY	1.	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 ME	ΔN	
1 2 3 4 5 6 7 8 9	000000000	0 0 0 0 0 0 0 0 0 0	000000000	000000000	000000000000000000000000000000000000000	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0	0 0 2 0 0 0 0 0 0	000000000	000000000000000000000000000000000000000	000000000	000000000	00000000	00000000	000000000	0000000000	0000000000	0000000000	00000000	000000000	000000000	00000000	000000000	000000000	3 3 3 9 9	000000000
11 12 13 14 15 16 17 18 19	000000010	0 0 0 0 0 0 0 1 0	000000000	000000000	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0	0004000000	10000000	4 0 0 14 0 0 0 0	100000000000000000000000000000000000000	000000702	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0	0 0 0 0 0 5 0 0	0000100500	0 0 0 1 0 0 2 0 0	0000100000	0 0 0 2 1 0 0 1 0 0	0 0 0 2 1 0 0 1 0 0	0 0 0 2 1 0 0 1 0 0	0 0 0 2 1 0 0 3 0 0	000300	000000000000000000000000000000000000000		0002100200
21 22 23 24 25 26 27 28 29	000000000	000000000	000000000	000000000	000000000000000000000000000000000000000	0 0 0 0 0 0 0	000000000000000000000000000000000000000	00000000000	0000050010	0 0 0 0 0 0 0 0 0	0000000000	000000000	000000000		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	000000500	0 0 0 0 0 0 1 0 0	000000000	00000000	000000000	0000000000	000000000	000000000		0000010100
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0
MEAN	0	0	0	0	0	0	0	0	1	1	0	0	0	0	1	1	0	0	0	0	٥	0	0	0	٥.	2

PERCENTAGE OF DATA VALID - 99.9 PERCENTAGE OF DATA INVALID - 0.1

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. ****** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. .. INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POLI	UTANT	- SI	JLPH	HUR DIO	IDE							Ü	JNITS	- 0.0	D1 PAF	RTS/MI	LLION	4						
	STAT	ION -	NE	NO	77001		PENAGE	SUDBUR	Y	AIRSHE	D					MON1	rH - J	UN	77						
HOUR DAY	7	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 MEAN	•
1 2 3 4 5 6 7 8 9	0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0	00000000	0000000000	0000070000	0000010000	000000000000000000000000000000000000000	0 0 0 2 0 0 0 5	0000300060	000000000000000000000000000000000000000	0 0 0 0 0 0 0 0 2	000000004	000000004	00000000	0 0 0 0	0000000000	000000000	0000000000	000000000	00000000	000000000	000000000	000000000	0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0
11 12 13 14 15 16 17 18 19	0 0 0 0 0 0 0 0 0 0	000000000000000000000000000000000000000	0 0 0 0 0 0 0 0 0	000000000	0 0 0 0 0 0 0 0	000100000	0 0 0 0 0 0 0 0 0 0	0 3 0 0 0 0 0 0 0	003000000	0 0 3 1 0 0 0 0 0 0	00000000	0 0 0 0 0 0 0 0 0	000000	000000000000000000000000000000000000000	0 0 1 5 0 0 0 0	3 0 0 0 0 0	008830000000000000000000000000000000000	10 3 0 1 0 0 0 0	00000000	076000000	036000000	036000000	7000000	0 0 5 0 0 0	3 2 0 0 0 0 0
21 22 23 24 25 26 27 28 29	0000000000	000000000	000000000	00000000	000000000	000000000	00000000	0000000	0000000000	000000000	000000000	0 0 1 0 0 0 0 0 0 0	000000000	000000000	00000000	000000000	000000000	000000000	000000000	000000000	0000000000	000000000	000000000	0 0 0 0 0 0 0 0	000000000
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	•	0	0	0	0	0 (3.3

PERCENTAGE OF DATA VALID - 99.4 PERCENTAGE OF DATA INVALID - 0.4

PERCENTAGE OF DATA UNAVAILABLE - 0.1

- 2. *- INDICATES DATA IS UNAVAILABLE
 - 3. ****** INDICATES LEJS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNITS . D. 01 PARTS/MILLION

	STA	TION	- NE	NO	77001	1	PENAGE	SUDB	URY	AIRSHE	D					MONT	н - ,	JUL	77							
HOUR	1	2	3	4	5	6	7	8	9	10	13	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1 2 3 4 5 6 7 8 9	000000000	000000000	000000000	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	000000005	0 0 0 0 0 0 0 1	0 0 0 0 0 0 0 0	000000000	000000000	00000000	000000000	000000000	000000000	0000000000	0000000000	0000000000	0000000000	0000000000	000000000	000000000	000000000000000000000000000000000000000	
11 12 13 14 15 16 17 18 19	000000000	000000000	000000000	00000000	000000000000000000000000000000000000000	00000000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0000000000	0 0 0 0 0 0 0 0	000000000	000000000	000000000	000000000	000000000	000000000	000000000	000000000	000000000	0 0 0 0 0 0 0 0 0	000000000	00000000	000000000	000000000	000000000000000000000000000000000000000	0000000000	
21 22 23 24 25 26 27 28 29	000000000	000000000	000000000	00000000	00000000	000000000	000000000	000000000	0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 7	0 0 0 0 0 0 0 0 12	0 0 0 0 0 0 0 0 23	000000000000000000000000000000000000000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	000000004	000000004	00000000	000000000	000000000000000000000000000000000000000	000000000	00000000	000000000	0000000000	000000000000000000000000000000000000000	000000000000000000000000000000000000000	
31 MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	

PERCENTAGE OF DATA VALID -100.0 PERCENTAGE OF DATA INVALID - 0.0

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. "***** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	P	DLLUT	ANT -	SULP	HUR D	IOXID	E						9	UNITS	- 0.0	01 PAR	RTS/M	LLIO	N						
	s	OITAT	N - N	E NO	7700	1	PENAGI	E SUI	DBURY	AIRS	HED					MONT	TH - 4	UG	77						
DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 1	MEAN
1 2 3 4 5 6 7 8 9	0 0 0 0 0 1 0 1	000000001	000000000000000000000000000000000000000	000000000000000000000000000000000000000	0 0 0 0 0	000000	00000000	000000000	000000000	0000000000	00000000	00000000	000000000	00000000	00000000	0 0 0 0 0 0 1 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	000000000	0 0 0 0 0 0 0 4 0	000000000000000000000000000000000000000	0000000000	000000000000000000000000000000000000000	0 0 0 0 0 0 0 1 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 1 0
11 12 13 14 15 16 17 18 19 20	0000000000	000001000	000000000000000000000000000000000000000		000000	00000000	0000000000	00000000	000000000	000000000000000000000000000000000000000	000000000	000000000	00000000	000000000	000000000	000000000	000000000	000000000	000000000	000000000	000000000	000000000	000000000	0 0 0 0 0 0 0 0	000000000000000000000000000000000000000
21 22 23 24 25 26 27 28 29 30	000000000000000000000000000000000000000	000001000	000000000000000000000000000000000000000	000000000	0 0 0 1 1 0 0 0	0000000	0 0 0 0 0 0	000000000000000000000000000000000000000	000000000000000000000000000000000000000	0 0 0 0 0 0 1	0 0 0 0 0 0 0 11	0 0 0 0 0 0 0 57	0 0 0 0 0 0 0 23	0000000000	000000000	000000000	000000000	0000000000	000000000	000000000	000000000	000000000	000000000	000000000	0000000004
31 MEAN	0	0	0	0		0	0	0		0		****	0	0	0	0	0	0	0	0	0	0	0	0 +	0.2

PERCENTAGE OF DATA VALID - 98.4 PERCENTAGE OF DATA INVALID - 1.6 PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEJS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

					2000										0										
	STA	TION	- N	CM	77001	F	ENAGE	SUDE	URY	AIRSHE	D					MONT	гн - ş	SEP	77						
DAY	1	2	J	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 M	AN
2 3	0	0 1 0	0	3	0 2 0	0 0	0	0	0	0	0	0	0	0	0	0	0	0 0	0	0	0	0	0	0	0
4 5 6 7	0 0 0	0 0 0 0	0 0 0 0	0 0 0	0 0	0000	0	0	0 0 0	0000	0000	0000	0 0 0	0	0 0 0	0	0	0	0	0	0	0	0 0 0	0	0 0
8 9 10	000	0	0	0	0	0	0	0	0000	0	000	0000	000	0	0 0 0	0	0 0	0	0 0 0	0	0 0 0	0 0 0	0 0 0	0	000
11 12 13 14 15 16 17 18	000000000	0 0 0 0 0 0 0	00000000	0000000	0 0 0 0 0 0 0	00000000	00000000	00000000	000000000	00000000	00000000	00000000	00000000	000000000	00000000	00000000	0 0 0 0 0 0 0	000000000	00000000	00000000	00000000	00000000	00000000	00000000	0 0 0 0 0 0
20 21 22 23 24 25 26 27 28 29 30	0000000000	0 0 0 0 0 0 0 0 0	21 0 0 0 0 0 0 0	38 0 1 0 0 0	5000000000	300000000	0 1000000000	11 0 0 0 0 0 0 0 0	33 0 0 0 0 0 0 1 0	000000000000000000000000000000000000000	0 0000000000000000000000000000000000000	0 000000000	90000000	00 00000000	00 300000004	90000000	0 0 0 0 0 0 0 0 0 0	500000000	100000000000000000000000000000000000000	0 0000000000	0000000000	0000000000	0000000000	0 0 0 0 0 0 0 0 0 1	600000000
MEAN	0	0	1	1	0	0	0	0	1	0	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0.4

PERCENTAGE OF DATA VALID - 99.7 PERCENTAGE OF DATA INVALID - 0.3

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. ****** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. *- * INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POL	LUTANT	· 5	ULPH	UR DIO	IDE							ι	JNITS	- 0.0	1 PAF	TS/MI	LLION	•						
	STA	TION -	NE	NO	77001	9	PENAGE	SUDBU	RY	AIRSHE	٥					MONT	гн - о	CT	77						
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 M	EAN
1 2 3 4 5 6 7 8 9	1 0 0 0 0 0 0 0 0 0 0	1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 0 0 0 0 0 0 0 0 0 0	0000000000	000000000	0000000000	000000000	0 0 0 0 0 0 0 0 0 0 0 0 0	0000004000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	4 0 0 0 0 0 0 0 0	000001000	100000000	000000000000000000000000000000000000000	10 0 0 0 0 0 0 0	0000000000	000000000	0000000000	000000000	000000000	000000000	000000000	0000000000	0000000000	000000000000000000000000000000000000000
11 12 13 14 15 16 17 18 19	000000000	000000000000000000000000000000000000000	000000000	0 0 0 0 0 0 0 1 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	000000040	0000000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0000000000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	00000018000	000001000	0000000040	000000000000000000000000000000000000000	0000000040	0000000000	000000000000000000000000000000000000000	0000000000	000000120	000000110	000000100	000000000	000000000	000000000	000000000000000000000000000000000000000
21 22 23 24 25 26 27 28 29 30	000000000	000000000000000000000000000000000000000	008000002	000000000000000000000000000000000000000	000000000000000000000000000000000000000	00000000	000000000	0000000000	000000000	000000000000000000000000000000000000000	000000000	000000000	0000000000	00000000	000000000	000000000	0000000000	000000100	0000000000	0000000000	0 0 0 0 0 14 0 0	0 0 0 0 0 0 16 0 0	000000600	000000100	000000000000000000000000000000000000000
31 MEAN	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0.2

PERCENTAGE OF DATA VALID - 100.0 PERCENTAGE OF DATA INVALID - 0.0

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. "***** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNITS - 0.01 PARTS/MILLION

	STA	TION	- NE	NO '	77001	Р	ENAGE	SUDB	URY A	IRSHE	D					MON	rH - N	OV	77						
HOUR	1	2	3	4	5	6	7	В	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 ME	AN
1 2 3 4 5 6 7 8 9	0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 1 0 0 1 0 0 0 0 0	0 1 0 0 0 0 0 0 0 0	0 1 0 0 0 0 0 0 0 0	0 1 0 0 0 0 0 0 0	0 1 0 0 0 0 0 0 0 0 0	0 1 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 1 0 0 0 8 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0	0 1 4 0 0 0 0 0	0 1 0 0 0 0 0 0 0	0 1 0 0 0 8 0 0 0 0	0000030000	0 0 1 0 0 0 0 0	00000	000000000	0000000000	00000000	0 0 0 0 0 0 0 0	0 0 0 0 0 0
11 12 13 14 15 16 17 18 19	000000000	0 0 0 0 0 0 0 0 0	000000000	0 0 0 0 0 0 0 0	0000000000	0000000000	000000000	000000000	00000000	000000000	00000000	0000000000	40000000	0 26 0 0 0 0	0 27 0 0 0 0	0 0 7 0 0 0 0 0 0	000000000	0000000000	11 0 0 0 0 0	16 0 0 0 0 0	18 00 00 00 0	009000000	000000	0 0 0 0 0 0 0 0	0 0 7 0 0 0 0
21 22 23 24 25 26 27 28 29 30	0005000000	0 0 0 0 0 0 0 0	000000000	00000000	000000000000000000000000000000000000000	0000000000	0 0 0 0 1 0 0 0 0 0	0000000000	0000600000	000000000000000000000000000000000000000	0000602000	0000304000	000080000	000000000	0 0 0 0 0 0 0 0	0000004000	000001000	0 0 0 0 0 1 0 0 0	0000000000	000000000	000001000	0 0 0 0 0 0 0 0	0000400000	0 0 0 0 0 0 0	0 0 0 0 2 0 1 0
MEAN	0	0	0	0	O	0	0	0	0	0	0	1	2	1	1	1	0	0	1	1	1	0	0	0	0.4

PERCENTAGE OF DATA VALID - 99.7 PERCENTAGE OF DATA INVALID - 0.3

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. "***** INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POL	LUTANT	- 5	SULPH	UR DIO	XIDE								INITS	. 0.0	DI PAR	rTS/M;	LLION							
	STA	TION -	NE	NO	77001		PENAGE	SUDB	URY	AIRSHE	D					MONT	н - с	DEC	77						
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 M	EAN
1 2 3 4 5 6 7 8 9	000000000	0 0 0 0 1 0 0 0 0 0 0	000000000	0 0 0 0 0 0 0 0	000000000000000000000000000000000000000	000000060	0 0 0 0 0 0 7 0	000000000000000000000000000000000000000	000000000	0 0 0 0 0 0 0 0 0 0 0 0	0000000000	0 0 0 0 0 1 1 0	0000000000	000000000	000000000	000000000	0000000000	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0000300000	0000000000	0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 1 0 0 1 0
11 12 13 14 15 16 17 18 19	000000000	0 16 0 0 0 0 0 0 0 0 0	0 2 0 0 0 0 0 0 0	0 1 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0	000000000	0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0	000000000	000400000	000300000	0 0 0 3 0 0 0 0 0	000300000	0 0 0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0 0 0 0	000000000000000000000000000000000000000	000000000	0000000000	0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 1 0 2 0 0 0 0 0 0
21 22 23 24 25 26 27 28 29 30	000000000	000000000000000000000000000000000000000	0 0 0 0 0 0 1 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	00000000	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0	00000000	0000000000	000000000	00000000	0 0 0 0 0 0 0	000000000	000000000	00000000	000000000	000000000	000000000	000000000	000000000	0 0 0 0 0 0 0 0	000000000
31 MEAN	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2

PERCENTAGE OF DATA VALID - 100.0 PERCENTAGE OF DATA INVALID - 0.0

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNTERIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOULLY AND 2-HOURLY DATA FOR 1977

MONTHLY SUMMARY	OF HOULLY AND 2 HOURL	Y DATA FOR 1977		
POLLUTANT - SULF	HUR J. UXIDE		UNITS - 0.01 PARTS/MILL	ION
STATION - NE NO	77001 PENAGE SUD	BURY AIRSHED		
MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
$\hat{\mathbf{x}} = \hat{\mathbf{x}}$	31	0.4	5	25
FEB	26	0.1	3	7
MAR	31	0.3	3	17
APR	28	0.7	9	71
MAY	31	0.2	2	17
JUN	30	0.3	3	10
JUL	31	0.1	3	23
AUG	30	0.2	4	57
SEP	30	0.4	6	45
OCT	31	0.2	3	20
NOV	30	0.4	7	42
DEC	31	0.2	2	16
YEAR	360	0.3	9	71

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1977

POLLUTANT	SULPHUR D	JOXIDE				UNITS -	0.01 PARTS	/MILLION		
STATION -	NE NO 770	001 PE	NAGE SUDBUR	Y AIRSHED						
MONTH	H 00 TO 04	05 TO 10	11 TO 14	15 TO 25	26 TO 39	40 &OVER	TOTAL			
JAN	726	11	2	3	0	0	742			
FEB	630	1	0	0	0	0	631			
MAR	726	12	4	4	0	0	743			
APR	658	18	3	5	2	2	688			
MAY	731	7	4	1	0	0	743			
JUN	701	15	0	0	0	0	716			
JUL	739	3	1	1	0	0	744			
AUG	729	0	1	1	0	1	732			
SEP	707	4	2	1	2	2	718			
OCT	736	4	1	3	0	0	744			
NOV	700	10	3	2	2	1	718			
DEC	740	3	0	i	O	0	744			
YEAR	8523	88	21	19	6	6	8663			
FREQUENCY	DISTRIBUT:	ON BY PER	CENTILES		CONCE	NTRATIONS				
	OF DATA	MIN	10		JENCY DIST	RIBUTION.			-	ARITH
		/ E/2		30 50		90	95	98 99	Max	MEAN
	98.9	0	0.0	.0 0.0	0.0	0.0	0.5	3.2 7.0	71	0.3

														114.8 1.92	0.0	er ras	1.37 10.1	LLLION							
	STA	TION -	NE	NO 7	7009	8	URWAS	4 SUD	BURY	AIRSH	ED					MONT	н - ,	IAN	77						
HOUR	1	1 2 3 4 5					7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 1	MEAN
1 2 3 4 5 6 7 8 9	1 0 2 0 0 0 2 0 0 0 0 0 0 0 0 0 0 0 0 0					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 1 0 0 1	000000000000000000000000000000000000000	0 0 0 0 2 0 0	0 0 0 0 0 0 1 0	0 1 0 0 0 0 0 0 0 0	000000000	N000000000	1000006000	0 0 0 0 1 0 5 0 0 0	0 0 0 7 0 7 0 0 0	0 0 0 0 6 0 9 1 1 0	0 1 0 0 9 0 1 2 1 2	0 1 0 0 1 0 0 2 0 3	0 1 0 0 11 0 1 0	1 0 0 0 10 0 0 2 1 0	2 0 0 8 0 0 1 1 0	2 1 0 0 7 0 0 0 0 0	1 0 0 6 0 1 0	1 1 0 0 0 1
11 12 13 14 15 16 17 18 19 20					1 2 2 0 0 0 0	3 2 2 2 0 0 0 1 1 1	5 1 1 0 0 0 1	3 1 0 2 0 1 0 1 0 1	0 1 0 2 0 1 0 1 1	0 0 1 1 3 0 0 1	1 0 1 1 0 0 7 0 0 0 0	1 1 0 2 0 0 0 0 - 1 0	0 0 0 0 3 1 0 0	0 5 0 1 0 0 3 1 0 0	0 0 0 0 0 0	0 0 0 0 0 1 0 0 1	000000000	0 0 0 1 0 0 3 2 0 0	1 0 1 0 0 0 2 0 1 0	0 1 1 0 0 0 2 0 1 0	0 1 1 0 0 0 4 0 1	1 0 0 0 1 5 0 3 0	1 1 0 0 0 1 6 0 4 0	1000026030	1 1 1 0 0 2 1 1 0 0
21 22 23 24 25 26 27 28 29 30	0 0 0 0 0 0 0	0 0 1 0 0 0	100010000000000000000000000000000000000	1 0 0 1 0 0 0 0	1000000000	1002010000	2 0 0 2 0 1 0 1 0 0	1002000100	0 2 0 3 0 1 0	0 2 0 3 0 4 0 0 0 0	0003230000	2000110000	3010220000	1 0 0 0 3 1 0 0 0 0	0000500600	0 0 1 0 5 0 0 0 0 0	1 0 2 0 3 0 0 7 0 0	1 0 2 0 1 0 0 3 0 0	1 1 0 0 0 0 0 0 1 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 1 0 1 4 0 0 0	0 1 0 0 4 0 0 0 0 0	0 1 0 0 0 0 0 0 0	1 0 0 1 2 1 0 1 0
31 MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.7

PERCENTAGE OF DATA VALID - 99.9 PERCENTAGE OF DATA INVALID - 0.0 PERCENTAGE OF DATA UNAVAILABLE - 0.1

NOTES 1. ****** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. * " INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POL	LUTANT	- S	ULPHI	JR DIO	IDE							į,	NITS	- 0.0)1 PA	RTS/M)	LLIO	4						
	STA	TION -	NE	NO :	77009		BURWASH	SUDBU	RY	AIRSH	ED					MON	TH - F	EB	77						
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 M	EAN
1 2 3 4 5 6 7 8 9	0 0 0 0 0 0 0 1	0 0 0 0 0 1 0 0 0	0 1 0 0 0 0 1 0 0	0 2 0 1 0 0 0 1 0 0	0 1 0 0 0 0 1	0002010001	2 0 0 1 1 4 0 0 1 1 0 1	0 1 7 0 0 0	600000000000000000000000000000000000000	1 0 0 1 2 1 0 0	1 0 0 8 6 1 0 0 0	6 0 0 10 3 2 0 1	0 0 0 0 1 3 1 0 0 0	0 0 0 18 2 8 2 1 0 0	0 0 6 1 9 1 1	2 0 0 2 0 1 3 4 0 0 1	14 0 0 15 0 6 8 1 0	20014046002	0 0 14 0 1 7 0 0 3	1 0 0 1 0 0 6 1	2 1 0 0 0 0 3 1 0 3	2 0 0 0 1 0 0 1 0 2	4 1 0 0 0 0 0 0 0 1	6 0 4 0 0 0 1 1	2 0 0 4 2 2 2 1 0
11 12 13 14 15 16 17 18 19	0 0 0 1 5 0 0 0 0	0 0 1 1 0 0 1 0 2 0	0 0 0 2 16 1 1 0 5 0	000400-020	0 0 1 1 0 0 0	0 0 1 0 5 0	0 0 0 0 1 0 1 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 6 0	0 0 0 0 0 0 0 1 0	0 0 0 0 1 0 0 0 2 0	0 0 0 0 1 0 0 15 0	1 0 0 0 1 1 0 0 6 0	0 0 0 0 5 16 0 0 0	0 0 0 10 13 0 0	0 0 0 0 0 1	0 0 0 0 3 0 0 2 1	0 0 0 1 4 0 0 4	0 0 0 0 0 2 0 0 1 1	0 0 0 2 1 0 0 3 1	0 0 0 0 0 0 0 1	0 0 0 0 0 0 0 0	0 0 1 0 0 0 0 1	0 0 0 1 2 2 0 0 0 2
21 22 23 24 25 26 27 28	000000	0 0 0 0 0 0	0000000	0000000	20000000	2000000	2 0 1 0 0 0 0 0 0	0 0	1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 0 2 0 0	0 0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0 0 0	0 2 0 0 0 0 0	1 3 0 0 0 0	0 1 1 0 0 0 0 0 0	0 2 1 0 1 0 0 0	0 1 0 0 0 0 0 3	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 1 0	0000000	0000000	0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0
MEAN	0	1	1	0	0	0	1	0 (3	1.	1	1	1	2	2	2	2	1	1		,	O	0	1	0.8

PERCENTAGE OF DATA VALID - 99.9 PERCENTAGE OF DATA INVALID - 0.1 PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. *- " INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

	POL	LUIAN	2	CCPHU	H DIO.	XIDE							,	MIIS	- 0.0	JI PAI	H 15/M)	LLIU	•						
	STA	rion -	- NE	NO 7	7009	E	BURWASH	H SUD	BURY	AIRSH	IED					MON'	TH - N	MAR	77						
HOUR	1	2	٤	4	5	6	7	В	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 M	EAN
1 2 3 4 5 6 7 8 9	0				0 0 0 0 0 0 0 0 0	000000000000000000000000000000000000000	0 0 0 0 0 0 1 0	0 0 0 0 0 0 0 1 1	0 0 0 0 0 0 2 2 2 2	000000000000000000000000000000000000000	0 0 0 0 0 1 0 0 1	0 0 0 0 0 0 0 1	0 0 0 0 1 1 0 0 1	0 0 5 0 0 5 0 0 2	000000000000000000000000000000000000000	0 0 0 0 0 0 3	0 0 0 0 0 3	0 0 0 0 0 1 0 3	0 0 4 0 0 0 0 0 0 3	0 0 0 0 0 0 0 0 3	0 0 0 0 0 0 0 0 0	000000000000000000000000000000000000000	0 0 0 0 0 0 0 0 2	0 2 0 0 0 1 0	
11 12 13 14 15 16 17 18 19	0	0	0	0	0	000000000000000000000000000000000000000	000000000000000000000000000000000000000	0 0 0 0 0 0 0 0	200000000	200000000000000000000000000000000000000	2000000000	2 0 0 0 0 0 0 0	000000000000000000000000000000000000000	000000000	00000000	0004000000	0002000004	0002005002	0002005000	0002000200	000200001	00000000	0002000006	0 0 0 0 0 0 0 3	1 0 0 1 0 0 1
21 22 23 24 25 26 27 28 29	0000000	000000000	0 0 0 0 0 0 0 0 0	000000000	000000000	000000000	000000000	00000000	0 0 0 0 0 0 0 0	120000	400000000	1 0 4 0 0 0	1000000000	200000000	00000000	00000001	000000000	000010000	300000000	0000150000	0000-50000	0 0 0 1 2 0 0 0 0	000000000	0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0
31	0	٥	0	0	0	0	0	0	0	0	0	0	0	0	٥	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	1	1	1	0	1	0	1	1	1	1	1	1	1	0	0	0.4

PERCENTAGE OF DATA VALID - 99.7 PERCENTAGE OF DATA INVALID - 0.3

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. -- INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POLL	UTANT	- \$1	JLPH	UR DIOX	DE							ι	NITS	- 0.0	1 PAR	TS/MI	LLION	•						
	STAT	ION .	NE	NO	77009	1	BURWASH	SUDBU	RY	AIRSH	ED					MONT	н - а	PR	77						
HOUR DAY	1	2	3	4	5	6	7	8	9	10	1.1	12	13	14	15	16	17	18	19	20	21	22	23	24 M	EAN
1 2 3 4 5 6 7 8 9	0 0 1 1 0 6 1 0 0 0	1 0 1 1 0 2 1 0 0 0	2 0 2 0 0 1 1 0 0 0	3 0 4 0 0 0 1 0	2 0 1 0 0 1 1 0 0 0 0 0	0020001000	0 0 0 0 0 0 0 0 0	0 7 0 0 0 0	0080000010	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 28 0 0 0 0 4	0 0 0 0 0 0 0 26 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0	0000000000	0000000000	0 0 0 0 1 1 0 0 0 0	0030000	00000000	0020100000	000000000	000000000	0 1 2 0 1 1 0 0	0 4 0 0 1 0 1
11 12 13 14 15 16 17 18	0 0 0 1 1 1 1 2 2 3	0 0 0 1 1 1 1 2 2 3	1 0 0 0 1 1 1 1 2 2	2 0 0 0 1 2 1 1 2 3	0 0 1 1 1 2 2	1 0 0 0 1 2 2 2 2 0	1 0 0 3 1 1 1 1 1 2	0	0000200010	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0	000000000	0 0 1 0 2 0 0 0	0020302000	0000202000	0 0 0 0 0 0 0 0	000000000	0 0 0 0 0 0 0 0	000000000000000000000000000000000000000	0 1 0 0 0 2 0	0 1 0 1 0 1 1 2 0	1 1 2 1 2 2 3 0	0 1 1 1 1 2 2 3 0	5 1 1 1 2 2 4 1	1 0 0 0 1 1 1 1 1 1 1
21 22 23 24 25 26 27 28 29	1 0 0 0 0 1 0 3 1 0	1 0 0 0 0 0 0 0 0 0	0 0 0 0 1 0 0 0	0 0 0 0 0 0 0 0 0	0 0 0 2 0 0 0	0000000000	000000000000000000000000000000000000000	0000010000	0000000000	0000040000	0 0 0 0 25 0 3	0 0 0 0 19 0 3 0 0	0 0 0 0 11 0 0	0 0 0 0 0 0 0	0000050000	0 0 0 0 0 0 0	0 0 0 0 1 0 6 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0	00001003	0 0 0 1 0 0 4 0 0	0 0 0 0 0 0 0	000001000	0 0 0 1 0 0 0	0 0 0 0 4 0 3 0 0
MEAN	1	1	ĭ	1	1	1	0	1	1	0	1	2	1	1	0	0	0	0	1	1	1	1	1	1	0.7

PERCENTAGE OF DATA VALID - 100.0 PERCENTAGE OF DATA INVALID - 0.0

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. .- INDICATES DATA IS UNAVAILABLE
 - 3. ****** INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

		STATION - NE NO 77009 BURWASH SUDBURY AIRSHED																							
	STA	TION	NE.	NO 7	77009	E	JURWASH	SUE	BURY	AIRSH	ED					MON	TH - !	YAN	77						
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 M	EAN
1 2 3 4 5 6 7 8	0 0 0 0 3 0 0 0 10	000030005	0 1 0 0 2 0 0 0 8	0 1 0 0 2 0 21 0 8	0 1 0 0 2 0 3 0 6	0 2 0 0 2 0 0 0 8	0 0 0 0 0 0 12	0 0 0 0 0 2 0 7	000000000000000000000000000000000000000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 2 0 2	0 0 0 0 0 0 11 0 4	0 0 0 0 0 0 39 0 3	0 0 15 0 0 0 12 0	0 0 17 0 0 8 1	0 10 0 0 21 0	0 11 2 0 0 0 0	0 0 0 0 0 0 0	000100050	0000000	0 1 2 0 0 0	0 0 1 3 0 1 0 0 0	00030000	0 1 2 0 1 1 4 0
10	o	0	0	0	0	0	0	8	11			ő	1	3	4	3	3	2	0	0	1	2	2	2	2
11 12 13 14 15 16 17 18 19	1 0 1 2 0 1 0 0 2 0	1 0 0 2 0 1 0 0 2 0	0 0 0 1 0 1 2 1	1 0 0 0 0 1 0 2 2 1	0 0 0 0 2 0 2 0 0	0 0 0 0 2 0 2 0 0 2 0 0	000000000000000000000000000000000000000	00000000	000000000	7 3 0 0 0 0 0 0 0 0 0 0	3 0 4 0 0 0 0 0	3 0 3 1 0 0 0 1 0 0	6 0 4 1 0 0 0 0 0 1	6 1 4 1 0 0 0 0 0 1	5 1 2 2 0 0 0 0 0	0 1 0 2 0 0 0 0 0 0 0	0 1 0 3 0 0 0 0 0 0	1 2 0 0 0 0 0	0 0 0 0 0 0	000000000	0 0 2 2 0 0 0 2 0 3	2 2 0 0 3 0 0	1 1 0 0 0 3 0 2	0 0 1 1 0 0 0 3 0 0	2 0 1 1 0 0 0 1 1 1 1
21 22 23 24 25 26 27 28 29	0 0 0 1 1 2 3 0 0	0 0 0 3 1 2 0 0 0	0 0 0 4 1 1 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 4 1 1 1 0 0	0 0 0 4 1 1 2 0 0	0 0 0 0 2 2 1 0 0 0	0 0 0 0 0 0 0 0 0	0 0 0 0 1 2 0 0 0	0 0 0 0 1 5 1 0 -	0 0 0 0 0 0 1 0 0	000000000	000003000	000000000	000000000	000000000	0 0 0 0 0 0 0	0 0 0 1 14 0 0 0 0	000000000000000000000000000000000000000	0000210000	0 1 0 0 0 2 1 0 0 0 2	0 1 0 0 2 1 2 0 0 2	0 0 0 0 2 2 2 0 1 3	0 0 0 2 2 2 2 0 1 3	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
31	1	1	1	2	3	1	0	-1	0	0	0	0	0	0	0	0	0	1	1	2	3	3	2	1	1
MEAN	1	1	1	2	1	1	t	1	1	1	0	0	1	2	1	1	1	1	0	0	1	1	1	1	0.9

PERCENTAGE OF DATA VALID - 99.7 PERCENTAGE OF DATA INVALID - 0.1

PERCENTAGE OF DATA UNAVAILABLE - 0.1

NOTES 1. ****** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. "***** INDICATES LEJS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POL	LUTANT	- SI	ULPH	UR DIO	IDE							U	NITS	- 0.0	1 PAR	TS/MI	LLION	i						
	STA	TION -	NE	NO	77009		BURWASH	SUDB	URY	AIRSH	ED					MONT	н - ј	UN	77						
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 M	
1 2 3 4 5 6 7 8 9	0500215200	0 12 0 0 2 2 13 1 0 0	0 7 0 0 1 4 10 0 0	0 4 0 0 1 3 2 0 0 0	0 10 0 0 2 1 1 0 0 0	0900232000	0 3 0 0 1 1 2 0 0 0	0000005000	0500002000	0 3 1 0 3 0 0 0 0 2 0	0 3 2 0 2 0 2 0 0 0	0 2 0 0 6 0 1 0 0 0	0 1 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0	0 0 0 0 2 0 0 0 1 0	0 0 0 0 0 0 0 1 0	0 0 0 0 2 0 0 2 2 2	0 0 0 2 1 0 4 2 3	0 0 0 0 2 1 0 2 0 3	0 0 0 3 0 1 1 1 3	0 0 0 1 0 1 3	0 2 0 1 1 1 1 0 1 3	3 1 0 1 15 1 0 2 3	0 1 0 0 1 2 1 0 2 3	0 3 0 0 2 2 2 1 1 1
11 12 13 14 15 16 17 18 19	1 0 0 0 2 3 3 3 1 0	1 0 0 0 2 4 2 3 1	1 0 0 0 2 2 2 1 1 0	1 0 0 0 2 3 3 1 1 0	2 3 3 2	2000231210	2 0 0 0 0 3 1 1 1 0	1 0 0 0 0 2 1 0 1 0	0 0 0 0 2 1 0 1 0	0000022010	0 0 0 0 0 2 2 0 1 3	0 0 0 5 0 2 2 0 1 1	0 0 0 5 0 2 1 1 1 0	0 0 10 0 2 1 1 1	0 0 0 14 1 2 1 1 1 0	0 0 10 2 3 1 1	0 0 0 15 2 3 1 1 0	1 0 0 7 3 4 1 1 1 1	1 0 5 3 5 1 1 0	1 0 0 5 2 5 1 1 0 0	2 1 0 5 3 6 1 1 0 1	5 1 0 2 4 4 1 1	4 1 0 2 4 4 1 1	0 1 2 4 3 2 1 0	1 0 0 4 2 3 2 1 1 0
21 22 23 24 25 26 27 28 29	0 2 4 3 2 1 2 3 2	0 2 4 3 2 1 1 5	0 1 3 1 2 3 2 2 0	1 2 2 3 1 3 2 2 2 0	3 2 1 3 3 2	1 5 2 2 3 3 1 0	4 3 2 1 2 0 2 0	4 0 1 2 1 2 0 2 0	2002230201	0 0 2 3 3 9 0 2 0 2	0722290202	3 2 1 2 0 14 0 2 0 3	6 3 1 3 0 1 2 3 0 2	4 3 1 3 1 0 2 3 0 2	9 7 0 2 3 0 3 4 0 3	5 26 0 2 0 0 3 4 0 3	3 14 0 2 0 3 3 3 0 3	0 22 2 2 1 4 2 4 0 4	1 3 2 2 6 3 3 4 2 2	0 2 3 2 3 4 2 4 2 2	0 2 3 1 3 3 2 2 2 2 2	0 3 4 2 2 2 3 2 2 2 2 2 2 2 2 2	0 3 3 2 2 1 2 3 2 2	0 3 2 1 2 2 2 3 2 2	252232312
MEAN	2	2	2	1	1	2	î	1	1	1	1	2	1	1	2	2	2	2	2	2	2	2	2	1	1.5

PERCENTAGE OF DATA VALID -100.0 PERCENTAGE OF DATA INVALID - 0.0 PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. "-" INDICATES DATA IS UNAVAILABLE
 - 3. ****** INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNITS - 0.01 PARTS/MILLION

	-	LLUII	400.0	SULPE	IUR D	CATUE								UNITS	- 0.0	JI PAI	(12/MI	LLIO	rs.							
	S	OITAT	1 - NE	NO	77009)	BURWA	SH SU	DBURY	AIRS	HED					MONT	гн - "	JUL	77							
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1 2 3 4 5 6 7 8 9	2 2 3 3 2 3 2	0 2 2 3 3 3 2 2		0 2 0 3 3 2 2 3	0 4 2 3 1 2 2 2 2	0 2 2 3 1 2 2 1	0 2 0 6 1 1 2 1	0 2 0 5 2 1 1 1	0 3 1 1 1 1	0 3 3 2 1 1 1 2	0 2 3 2 0 1 2 1	0 21 3 2 2 1 2 2	0 9 3 1 2 2 2 2 2 DATA DATA	0 3 3 1 2 2 3 2 I NVA L I NVA L	0 3 2 2 2 1 2 1 1D -	2 2 2 1 2 2	2 2 2 2	0 3 3 2 2 2 2 2	0 2 2 3 1 2 1 1	0 3 2 3 1 2 1	0 3 2 4 1 2 3	0 2 2 3 3 4	0 2 2 1 3 0 3	0 2 2 3 1 3	0 3 2 3 2 2 2 2	
11 12 13 14 15 16 17 18 19	0 2 0 0 0 0 0 0 0	200000	0 1 0	00200000	1020200010	000000000000000000000000000000000000000	000000000	00000000	00000000	000000000000000000000000000000000000000	000000000000000000000000000000000000000	0 0 0 0 0 0 0	000000000000000000000000000000000000000	00000000	000000000	000000000	9000000	140000000	00000000	00000000	1 0 0 0 0 0	0 0 1 2 1 0 1 0	0 2 3 1 0 1 1 0	2022001000	0 0 0 0 0	
21 22 23 24 25 26 27 28 29 30	000000000000000000000000000000000000000	000000000000000000000000000000000000000	00000000	000000000000000000000000000000000000000	0	2 0 0 0 0 0 0 0 0	000000000000000000000000000000000000000	000000000000000000000000000000000000000	0 2 0 0 0 6 0 0	0 1 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0	9	11 0 6 8 0 0	12 4 0 1 2 12 0 0 0	13 0 0 1 10 11 0 0	13 0 0 1 12 8 0 0	900000000000000000000000000000000000000	0 0 0 1 7 0 0 0 0 0 0	500000	500000	0 2 0 1 2 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0	000000000000000000000000000000000000000	0	0	
MEAN	1	1	,	1	,	1	1	0	1	1	1	3	2	2	2	1	1	1	1	1	1	1	1	1	1.0	

PERCENTAGE OF DATA VALID - 90.5 PERCENTAGE OF DATA INVALID - 9.3

PERCENTAGE OF DATA UNAVAILABLE - 0.3

NOTES 1. ****** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	P	OLLUTANI	- 5	ULP	HUR DI	OXIDE								UNITS	- 0.	01 PA	RTS/M	ILLIC	N						
	s	TATION -	NE	NO	77009		BURWASH	SUE	BURY	AIRS	HED					MON	тн	AUG	77						
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1 2 3 4	0	0	0 0 0	0 0 0	0	0	0 0 0 0 0	0 0 0	0 0 0	0	0000	0 0 0 9 0	13 0 0	0 0	0	0	000000	0	0000	0 0 0	0 0 0	0 0 0	0	0	0 0 0
5 6 7 8 9	0		0 0 0	0000	0	0	0	0000	0 0 0 0	0 0	0000	ŏ	ō	O O O INVALI	0 0 0 0	0	0	0 0 0	0	0			0	0	0 1 0 0
10	••••	**** *	• •	••••	••••	••••	••••	••	••••	••••	••••	••••	••••	••••	0	0	0	0	0	0	0	0	0	0	•••••
11 12 13 14 15 16 17 18 19	000000000000000000000000000000000000000	0 0 0 0 0 0	00000000	00000000	0	000000000	0 0 0 0 0 0 0 0	000000000	0000000000	000000000000000000000000000000000000000	0000100400	000000401	0 0 0 0 0 1 0 1	000000000	000000000	000000000	0000000000	0000000000	000000000	000000000	0 0 0 0	000000000000000000000000000000000000000	000000000	0000000000	0000000
21 22 23 24 25 26 27 28 29 30	000000000000000000000000000000000000000	0 0 0 0 0	0 0 0 0 0 0 0 0 0	0000000000	000000000000000000000000000000000000000	000000000	0000000000	0000000000	0 0 0 0 0 0 0 0 0	0000000000	0 0 0 0 0 0 0 0	000000000000000000000000000000000000000	0 0 0 0 5 0 0 0	000000000000000000000000000000000000000	0000500020	0 0 0 2 1 0 0 0	0 0 0 0 0 0 0	0000010000	000000000000000000000000000000000000000	000000000000000000000000000000000000000	0	00000000000	000000000000000000000000000000000000000	000000000000000000000000000000000000000	0 0 0 0 0 0
MEAN	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0.1

PERCENTAGE OF DATA VALID - 94.0 PERCENTAGE OF DATA INVALID - 6.0

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. .. INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

	POL	LUTANT	. s	ULPHI	IR DIO	XIDE							L	JNITS	- 0.0	1 PAF	RTS/MI	LLION							
	STA	TION -	NE	NO 7	7009	В	URWASH	SUD	BURY	AIRSH	ED					MONT	H - S	EP	77						
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 ME	AN
1 2 3 4 5 6 7 8 9	0000000000	000000000	0000000000	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0	000000000	000000000	000000000	000000000	000000000	000000000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	000000000	17 0 11 0 0 2 0 0	2 0 17 0 0 0 0 0 0 8	008000003	0 0 0 0 0 0 1	002000000	0 0 1 0 0 0 0 0 0	000000000	000000000	0 0 0 0 0 0 0 1	0 0 0 0 0 0 2
11 12 13 14 15 16 17 18 19 20	1 0 0 0 1 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0	0000000000	000000000	000000000	000000000	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	4 0 0 0 1 0 0 0 0 0	4000000000	50000000	000000000	00000000	000000000	000000000000000000000000000000000000000	0 0 0 1 1 0 0 8 0 0	0002200800	0 0 0 2 1 0 0 4 0 0	0 0 0 2 1 0 0 3 0 0	0 0 0 2 1 0 0 3 0 0	0 0 0 1 1 0 0 2 0 0	0 0 0 0 0 0 0 0 0	0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 0 0 1 1 0 0 2 0 0 0
21 22 23 24 25 26 27 28 29 30	000000000	0000000000	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	000000000	000000000	000000000	00000000	000000000	000000000000000000000000000000000000000	000000000	000000000	0 0 0 0 0 1 1 0 0	0 0 0 0 1 7 0 0	0 0 0 0 0 2 10 0 0	0 0 0 0 1 1 0 0	000000000	000000000	000000000	0000000000	000000000	0000000000	000000000	0000000000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
MEAN	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	2	1.	1	0	0	0	0	0	0	0.3

PERCENTAGE OF DATA VALID - 99.6 PERCENTAGE OF DATA INVALID - 0.4

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. ****** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. *-* INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	P	DLLUTAN	т -	SULPH	UR DI	OXIDE								UNITS	- 0	01 PA	RTS/M	ILLIO	N						
	s	TATION	- NE	NO	77009		BURWA	SH SI	JOBURY	AIRS	HED					MON	TH -	OCT	77						
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1 2	0	0					0	0	0			0	0	0	0	0	0	0			0	0		0	0
3	0	0	0	0	0	0	0	0	0	0	0	5	6	0	0	0	0	0	0	0	0	0	0	0	0
6	0 0	0	0	0	0	0	0	0	0	0	5	0	9	1 0	0	0	0	0	0	0 0	0	0	000	0	1 0
8	0	0	0	0	0	0	00	0	0	00	0	0	0	0	0	0	0	0	0	0	0	0	o o	0	0
10	0	-	0	0	0	0	0	0	0	6	6	0	0	0	0	0	0	0	0	0	0	0	0	0	1
11 12 13	0		0	0	0	0	0	0	0	0	0			INVA	0		••••	••••	••••	****	****		••••	••••	
14	****		0	****		****		****			****		****		11	0	0	0	0	0	0	0	0	0	******
16	0	0	2 0	1 0	0	0	0	1 3	4	0	0	0	0 56	0	0	0	0	0	0	0	0	0	0	0	
18 19	0	0	0	0	0	0			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0		0	0	0	. 0		****	0	1	0	0	0	0	0		0	0	0	0	0	0	0	0	
21 22 23	0	0	0	0	0	0	-	1	0	0	0	0	0	0	0	0	0 3 0	0	0 0 0	0 0 0	0	0	0000	0 0	0
24 25 26	0	0	0 0	0	000	0	~	::::	0	0		0		0	0	0		0		1 0	0	0	0	0	0
27 28 29	0	0	0	0	0	0 0		::::	0	0 3 0	15	1 0	0	0	0	0	0	2	2	0 0 0	0	0	0	0	1
30	0		0	o	ō	0	-	****	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
31	0		0	0	0	0	-	****	-	0		0		_	0		0	0	0	0	0	0	0	0	
MEAN	0	0	0	0	0	0	0	0	0	0	2	0	3	1	1	0	0	1	0	0	0	0	0	0	0.3

PERCENTAGE OF DATA VALID - 87.9 PERCENTAGE OF DATA INVALID - 12.1

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. *- * INDICATES DATA IS UNAVAILABLE
 - 3. ****** INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - SULPHU' D. DXIDE

UNITS - 0.01 PARTS/MILLION

															-											
	51	TATIO	N - NE	NO.	7700	9	BURW	ASH S	JDBUR'	AIRS	HED					MON	NTH -	NOV	77							
DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	0	0	0	0	0	0	0		0	0	0	0	0	D	0	0	0	0	0	0	0	0	0	0		0
2	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	o	o	ő				~	Ö		
3	0	0	0	0	0	0			0	o	o	0	ő	ő	0	0	0	0		0	0	0	1			0
4	0	0	0	o	Ö	0				1	o	0	0	0	1	U			0	0	0	0	0	0		0
5	0	0	0	o	Ö	0			- 1	- 2	0					- 1	3	2	1	0	0	0	0	0		0
6	0	0	0	0	0		-		0	0		0	0	0	0	0	0	0	0	0	0	0	0	0		0
7	0	0				0	-		0	0	0	0	0	D	0	0	0	0	0	0	1	0	0	0		0
'n	0		0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0
		0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0
1.1	0	0		0	0	O	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0
12	0	0	0	0	0	0	0	0	0	0	0	0	2	3	3	5	3	0	0	o	ĭ	4	4	1		ĩ
13	2	3	2	2	1	1	0	0	0	0	0	0	0	0	3	6	5	4	3	2	2	2	4	4		2
14	6	6	6	5	4	3	3	0	0	0	0	o	0	ō	ő	o	o	ō	ő	ó	ő	ő	0	0		•
15	0	0	0	o	0	O	ō	ō	Ö	0	ō	o	ő	Ö	0	o	o	0								1
16	0	0	0	o	0	o	ō	0	Ö	ő	o	o	0	0		0	Ö		0	0	0	0	0	0		0
17	0	o	o	ő	0	0	ő	0	0	0	0	ő	0	0	0			0	0	0	0	0	0	0		0
18	o	0	ő	ő	Ö	0	0	0		0	ő				0	0	0	0	0	0	0	0	0	0		0
19	ő	o	0	o	Ö	o o	0	0	0	0		0	-1	4	0	0	0	0	0	1	0	0	0	0		0
20	0	ő	0	0	0	0	0		0		0	4	27	19	5	0		5	3	4	3	2	1	0		3
20	U				U	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0
21												+5	DATA	INVALI	D -											
22	****	****	****	****	****	****	****	****		****	****		0	0	0	0	0	0	0	0	0	0	0	0	****	
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0					- 2	- 2		-				
24												- DA	TA UN	NAVAILA	BLF											
25	42	-	2	-			-		- 2					0	0	0	0	0	0	0	0	0	0			
26	2	16	9	3	6	2	1	0	0	0	0	0	0	ő	0	o	o	ő	ő	ő	ő	ő	ő	ő		-
27	1	0	0	0	0	ō	0	0	ő	Ö	2	2	1	ĭ	1	****					****					-
28		****					****	****	ő	ő	ō	ő	ó	ó	ò	0	0	0	0							
29	0	0	0	0	0	0	0	0	0	ő	ő	o	o	ő						0	0	0	0	0		0
30	0	0	0	o	ő	ő	0	ő	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0
	-		U	1.5				_				-	0	.0	0	0	O	0	0	0	0	0	0	0		0
MEAN	0	1	1	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0.	4

PERCENTAGE OF DATA VALID - 85.0 PERCENTAGE OF DATA INVALID - 8.5

PERCENTAGE OF DATA UNAVAILABLE - 6.5

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	PO	LLUTAN1	r - :	SULPH	UR DI	OXIDE	Ē							11110	s - o	01 PA	ARTS/	MILLIC	N						
	ST	NOITA	NE	NO	77009)	BURW	ASH S	UDBURY	AIRS	SHED					MON	HTH -	DEC	77						
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1 2 3 4 5 6 7 8 9	0 0 0 0 0 0 0 0 1	0 0 0 0 0 0 0 0 1	0 0 0 0 0 0 0 0 0 2	0000000000	000000000000000000000000000000000000000	0 0 0 0 1 0 3 0 0	00000000000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	000000000000000000000000000000000000000	0 0 0 0 0 0 1 0 0	0 0 0 0 0 0 1 0 1	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0	0 0 15 0 4 3 0 3	0 0 0 29 0 5 23 0	0 0 0 1 0 1 1 4 0 0	000070004	0 0 10 0 4 1	0 0 0 7 0 4 1 0 0	000402000	0 0 0 1 0 2 0 0 0	0 0 0 1 0 0 0 0	00000000	0 0 0 0 0 0 0 0 0	0 0 0 3 0 1 2 0 0
11 12 13 14 15 16 17	000000	0 0 0 0	0 0 0 0	00000	000000000000000000000000000000000000000	000000000000000000000000000000000000000			0 1 0 0	0 1 0 0 0	0 1 0 0 0	000000000000000000000000000000000000000	0	0 0 0 0 0	0 4 0 0 0 0 0	0 7 0 0 0	0 2 0 0 0 0 0	0 0 0	0000000	000000	0 0 0 0 0 0	000000000000000000000000000000000000000	000000	0 0 0	1 0 0 0 0 0
19	****			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0
21 22 23 24 25 26 27 28	0 0 0 0 4 0 0	000000000000000000000000000000000000000	000000000	00000100	00000000	00000000	00000	::::	00000	00000000	0 0 0 0	00000000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 2 2 2	0 0 0 0 0 11 16	0 0 0 0 16 12	0000	0 0 0 0 1 3	0 0 0 0 0 3 2	0 0 0 0 5 2	0 0 0 0 8 2	0 0 0 0 8 1	0 0 0 0 0 5 1	0 0 0 0 5	0 0 0 0 3 3
30	0	ō	0	0	0	0	0	••••	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31 MEAN	0	0	0	0	0	0	0	0	0	0	0	0	-	1	3	2	1	1	1	0	0	0	0	0	0.5

PERCENTAGE OF DATA VALID - 86.8 PERCENTAGE OF DATA INVALID - 13.2

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1977

POLLUTANT - SULPHUR DJOXIDE. UNITS 0 01 PARTS/MILLION

TO THE STATE OF TH			DATES U DI PARTS/MILL	10N
STATION . NE N	0 77009 BURWASH SUD	BURY AIRSHED		
MONTH	NO OF DAYS	AVERAGE CONCENT	24. HEUR MAXIMUM	MAXIMUM READING
JAN	31	0.7	3	11
FEB	28	0.8	4	18
MAR	31	0.4	2	12
APR	30	0.7	4.	28
MAY	31	0.9	4.	39
JUN	30	1.5	5	26
dul	28	1.0	3	21
AUG	29	0.1	+	13
SEP	30	0.3	2	1.7
OCT	27	0.3	À	56
NOV	24	0.4	3	27
DEC	27	0.5	3	29
YEAR	346	0.6	6	56

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

MONTHLY G	ROUP FREQU	ENCY DISTR	IBUTION FOR	1977						
POLLUTANT	- SULPHUR	DIOXIDE			UN	175 · 0	O1 PARTS/MILI	TON		
STATION -	NE NO 77	009 BUI	RWASH SUDBUR	Y AIRSHED			oww.symili	1.10%		
MONT	H 00 TO 04	05 TO 10	11 TO 14	15 TO 25 2	6 TO 39 40	Aovth	TOTAL			
JAN		28	1	0	0	ь	743			
FEB	637	23	6	5	o	6	671			
MAR	723	14	5	0	0	b	742			
APR	702	9	4	2	3	0	720			
MΔY	713	18	6	4	1	101	749			
JUN	680	31	5	3	1	0	720			
JUL	647	15	10	1	0	ь	673			
AUG	693	5	1	0	0	0	699			
SEP	701	12	1	3	0	ti	717			
OCT	639	11	2	1	0	1	854			
NOV	598	11	0.	2	1	ь	612			
DEC	626	1.2	3	4	4	0	646			
YEAR	8073	189	44	25	7	1	8339			
							0333			
FREQUENCY	DISTRIBUTI PERCENT	ON BY PERC	ENTILES			Y=-75				
	OF DATA VALID	MIN	10 30	FREQUENC 50	CONCENTRAT Y DISTRIBUT 70		CENT 95 98	99	May	ARITH
	95.2	D	0.0 0.0	0.0	0.0 1	.5 2	.8 5.8	0.7	MAX	MEAN

POLLUTANT - SULPHUR ' : KIDE

UNITS - D.O! PARTS/MILLION

			7000		out-time contract		20			1001000 100															
	STA	TION	- NE	NO	77010		CALLUM	SUDE	SURY	AIRSHE	D					MONT	н	JAN	77						
HOUR DAY	1	2	×	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 M	EAN
1 2 3 4 5 6 7 8 9	0 0 1 0 0 0 0	0 0 1 0 0 0 0 0 0	0 0 0 0 0 0 0	000000000000000000000000000000000000000	0 0 0 1 0 1 2 1 0 0	0 0 1 0 0 1 1 0 0	2000011000	0 0 0 0 0 1 2 0 0 0	0 1 1 2 0 0 1 0	0 1 3 2 0 0 1 0 0 0	3100000	0 10 1 1 0 0 0 0 1 0	0412000000	0 3 1 2 0 0 0 0 0 0	0 2 0 2 0 1 0 0 0 0	0 2 1 1 0 2 0 0 0 1	0 2 1 0 0 2 0 0 0 3	0 1 0 1 0 2 0 0 1 2	0 1 1 0 1 0 1	0 2 0 1 1 0 0 3	0 1 1 0 0 0 0 0 0 0	0001000000	0 0 0 1 1 1 0 0 0 0	0 1 0 1 1 1 0 0 0 0	0 1 1 0 0 0 0 0
11 12 13 14 15 16 17 18 19	0 0 4 0 0 0 1 0 0 0	0 0 6 0 1 2 0	0 0 5 0 1 4 0 1	0 1 4 0 1 1 0 0 0 0 0	0 1 2 0 1 4 1 0	0 0 1 1 1 4 0 0 0 0 0	0 0 2 2 1 1 0 2 0 0	0 0 2 1 1 0 0 0	10 0 1 1 1 0 0 0 0 0	12 0 1 1 3 0 0 4 0	0 0 1 1 1 0 0 5 0 0	2 0 1 1 0 0 0 3 0 1	13 4 1 0 0 0 3 0	3 34 1 0 1 0 0 0 4	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	000000000000000000000000000000000000000	0 3 1 0 1 0 0 0	1 3 1 0 0 0 0 0 0 0 0 0	1 2 1 0 0 0 0	1 1 0 0 0 0 0 0 0	1 1 0 0 2 0 0 0 0 0 0	1 0 0 0 0 0 0	1 1 0 0 0 0 0 0 0	0 1 0 1 1 0 0 0 0 0 0	2 2 1 1 1 1 0 1 0 0
21 22 23 24 25 26 27 28 29	0 0 0 0 0 0 0 1	0 0 0 2 2 0 0 0 0 1	000000000	0 0 0 0 0 0 0 0	0 0 0 3 2 0 0 0 1 0	0 0 0 3 1 0 0 0 1 0	0 0 0 2 1 1 0 0 0 1	0 0 0 3 0 1 0 0 0	0002010022	0 0 3 0 1 0 0	0 0 0 3 0 2 1 0 0 3	0 0 0 3 0 2 1 0 0 2	0 0 0 0 0 0 0	00000000	0 0 0 0 0 0 0 0	000000000	0 0 1 3 0 0 3 0 0	0043000400	0 0 2 3 0 0 0 3	3000200	0 0 1 3 0 0 0 0 0 0	0 0 1 3 0 0 0 0 0	001200000	0012000020	0 0 1 3 1 0 0 1 0 1
31 MEAN	0	1	1	0	0	0	0	0	0	0	1	0	1	0 2	0	1	1	2 1	0	1	13	0	0	0	1 0.7

PERCENTAGE OF DATA VALID - 99.9

PERCENTAGE OF DATA INVALID - 0.0

PERCENTAGE OF DATA UNAVAILABLE - 0.1

NOTES 1. ****** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEJS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

POLLUTANT - SULPHUR DIOXIDE UNITS - 0.01 PARTS/MILLION STATION - NE NO 77010 CALLUM SUDBURY AIRSHED MONTH - FEB 77 HOUR 7 B 9 10 11 12 13 14 16 17 18 19 20 21 22 23 24 MEAN 1 2 3 4 5 6 7 8 9 10 0020000031 11 12 13 14 15 16 17 18 19 20 2100001211 16 0 0 0 0 12 0 4 1 0 50000304 6000000310 6000000310 4000000310 ò 0 21 22 23 24 25 26 27 28 0 00000060 020004 00 1.0 MEAN

PERCENTAGE OF DATA VALID - 99.9

PERCENTAGE OF DATA INVALID - 0.1

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEJS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNITS - 0.01 PARTS/MILLION

	FUL	CO I MILE		0.4-110		0.00																			
	STA	TION	- NE	NO 7	7010	C	ALLUM	SUDBI	URY A	IRSHE	D					MONT	H - 1	MAR	77						
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 ME	AN
1 2 3 4 5 6 7 8 9	0 1 1 0 0 0 2 0 0 0 0 0	0000000000	000000000	0 2 1 0 0 0 0 0 0	2 2 0 0 1 0 0 0 0	221000000	1 0 1 0 0 0 0	2 1 0 0 1 0 0 0 0 0	0 2 2 0 0 0 0 1	1 200 2000 10	2 2 0 0 1 1 0 0 1 0	0 4 0 0 1 2 0 0 1 0	3400122000	3 2 0 0 1 6 5 0 0 0	0010122000	0 4 3 0 0 2 7 0 0 0	0010035000	0 0 0 0 1 0 0 0 0	0 0 1 0 0 0 0 0	0000100000	000000000	2 2 0 0 0 0 0	0 2 0 0 1 0 0 0 1 0	1 2 0 0 2 0 0 0	1 1 2 0 0 0
11 12 13 14 15 16 17 18 19	0 0 0 0 0 18 0 0 0	000000000	0000000000	000002000	00000000	0 0 0 0 0 0 0 0 0	000000000	1 0 0 0 0 0 0 0 0 0	1 0 0 0 0 0 0 1 0	1 0 0 4 1 0 0 0 0	1 0 0 13 0 0 0 0 0	1000001000	0 0 0 0 1 2 6 0 2 0	0 0 0 1 1 1 0 14 0	0 0 0 0 0 1 0 1 0	0000000000	0 0 0 0 1 5 0 0 0	00000000	0 0 0 0 1 4 4 0 0	000000000000000000000000000000000000000	000000000000000000000000000000000000000	0 0 0 0 0 2 0 0 1	0000001004	000000009	0 0 0 1 0 2 3 0 1 1
21 22 23 24 25 26 27 28 29 30	1 0 0 0 0 1 3 1 1 1	0 0 0 0 0 1 2 2 1 0	0 0 0 0 1 3 1 1 0	0 0 0 0 1 4 1 1 0	0 0 0 0 1 3 1 1 1 1	0 0 0 0 1 3 2 1 1	0 0 0 0 1 3 2 1 0	0 0 1 0 0 2 2 2 1 0	2 0 1 0 0 1 2 2 1 0	0 0 0 0 0 1 2 2 1 0	0 0 1 0 0 1 2 1 1 0	0 0 1 0 0 1 2 2 0 0	9000012200	25 0 0 0 32 2 2	4000032201	1 0 0 0 1 2 2 2 0 1	2000122000	6010122200	2 0 1 3 2 2 0 0	2000121200	2000141201	0 0 0 1 8 2 1 0 4	0 0 0 0 1 5 1 1 0 0	0 0 0 1 3 1 1 0 0	2000032200
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	1	1	0	1	1	1	0	0	1	1	1	1	1	4	1	1	1	1	1	1	1	1	1	1	0.B

PERCENTAGE OF DATA VALID - 99.9 PERCENTAGE OF DATA INVALID - 0.1

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. ****** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. *- INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

UNITS - 0.01 PARTS/MILLION POLLUTANT - SULPHUR DIOXIDE STATION - NE NO 77010 CALLUM SUDBURY AIRSHED MONTH - APR 77 9 10 HOUR 6 7 8 1.1 12 13 14 15 16 17 18 19 20 21 22 23 24 MEAN DAY 900 0 0 3 00000170072 0000000000 0000061 0000071082 00000301 0000000 0000001 00000001 000040000 00301 0 2 2 11 12 13 14 15 16 17 18 19 20 2 0 0 0 0 10 3 0001 0 0 0 10 000 0 - DATA INVALID -0 ***** 0 0 0 0 0 0 0 0 21 22 23 24 25 26 27 0000 00000400 0000000 3000000000 30000000 0000000 28 MEAN 0 0 0 0 0.7

PERCENTAGE OF DATA VALID - 91.7

PERCENTAGE OF DATA INVALID - 8.3

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- *-* INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

														0112	0.	0	1 1 3 / II	11 1110	14							
	STA	. 10N -	NE.	NO 7	7010	C	ALLUM	SUDE	BURY A	IRSHE	0					MON	тн -	MAY	77							
HOUR DAY	1	2	3	4	5	6	7	8	9	10	F.1	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1 2 3 4 5 6 7 8 9	0 0 0 0 0 0 0 0	000000000	0000000000	000000000	000000000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 1 0 0 0 0	003000100	000000000000000000000000000000000000000	0 0 1 1 0 0 0 0 0 0 0	031000000	00000000	00000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 1 0 0 1 0 5 0 0	0 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	000000000000000000000000000000000000000	000000000000000000000000000000000000000	000000000000000000000000000000000000000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5010000000	16 0 1 0 0 0 0	000000000000000000000000000000000000000	000000000000000000000000000000000000000	
11 12 13 14 15 16 17 18 19 20	000000000	000000000	000000000	0 1 0 0 0 0 0 0 0	02000000	0 1 0 2 0 0 0 0 0	0 2 0 1 0 0 0 0	1500001000	2 0 0 16 0 1 0 3	0 16 0 0 11 0 2 0 4 0	1 0 0 3 1 37 0 6	1 9 0 0 0 16 0 7 5	000000000000000000000000000000000000000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5 0 0 4 0 0 0 3 3	5000700001	3 0 1 0 3 0 0 0	2020100000	0 0 0 0 0 0	000000000000000000000000000000000000000	0 0 1 0 0 0 0 0 0 0 0	000000000	000000000	2 0 0 2 0 3 0 2 1	1
21 22 23 24 25 26 27 28 29 30	0 0 0 0 0 0 1 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	000000000000000000000000000000000000000	0 0 0 0 0 1 0 0	0 0 0 0 0 0 1 0 0 0	000000000	000000000	00000-000	00000003	000000000000000000000000000000000000000	000000000	000003004	00000000	000004002	000000000000000000000000000000000000000	0 0 6 0 3 2 0 0	0 0 0 3 0 8 2 0 0	0 0 0 0 5 3 0	000042009	0000032002	000001000	0001002000	0 0 0 0 0 0 0	00000000000	000000000000000000000000000000000000000)
31 MEAN	0	0	0	0	0	0	0	0	0	0 2	0	0	0	0	0	0	0	0	1	2	2	1	1	0	0.7	

PERCENTAGE OF DATA VALID - 98.3 PERCENTAGE OF DATA INVALID - 1.7 PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. "**** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POL	LUTANT	- 5	SULPH	UR DIO	XIDE							ı	UNITS	- 0.0	1 PAR	RTS/M)	LLIO	N						
	STA	TION -	NE	NO	77010	c	ALLUN	SUDE	BURY	AIRSHE	D					MONT	гн	JUN	77						
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 ME	AN
1 2 3 4 5 6 7 8 9	0000000000	00000000	00000000	000000000000000000000000000000000000000	0 0 0 0 1 0 0 0 0	0 0 0 0 0 0 0 0	0 0 1 0 0 0 0 0 0	0022000000	0 54 0 0 0 0	0000000	000000000	009000000	000000000	00200000	007000000	003000000	0 0 3 1 0 0 0 0 0	0026000000	000600000	0 0 0 0 0 0 0 0	000500000	000000000	000100000	0 0 0 0 0 0 0 0	5 000000
11 12 13 14 15 16 17 18	0000000000	0000000000	000000000	000000000	000000000	000000000	0000000000	00000000	0 0 0 0 0 0 0 0 0	3 0 0 0 0 0 0	23 0 9 0 0 0 0 17	20 0 5 0 0 0 6 0	800000000	0 0 0 0 0 1 0 2 0	12 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	220000000000000000000000000000000000000	14 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	000000000	000001560	2000001120	000000070	00000000	00000000	000000060	4 0 0 1 0 0 0 0 4 0
21 22 23 24 25 26 27 28 29	000000000	000000000	000000000	000000000000000000000000000000000000000	000000000	0 0 0 0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0 0 0 2	14 0 4 0 0 0 0 0 21 2	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	000000000000000000000000000000000000000	0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0	0000000000	0006080050	0009250000	0 0 5 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0000000000	000000040	000000060	000000000	0 0 0 0 0 0 0 0 0 0	1 0 0 1 0 2 1 0 2
MEAN	0	0	0	0	0	0	0	1	3	1	2	1	1	1	1	2	1	1	1	0	1	0	0	0	0.8

PERCENTAGE OF DATA VALID - 99.9 PERCENTAGE OF DATA INVALID - 0.1

PERCENTAGE OF DATA UNAVAILABLE . 0.0

- 2. .. INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

																			330							
	STA	TION	- NE	NO 7	7010	C	ALLUM	SUDE	BURY A	AIRSHE	D					MON	TH -	JUL	77							
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1 2 3 4 5 6 7 8 9	000000000	0000000000	0 0 0 0 0 0 0 0	000000000	000000000	000000000	0 0 0 0 0 1 0 0	000000000000000000000000000000000000000	0 0 0 3 0 0	31 0 0 3 0 0	0 0 0 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 1 0 0 0 1 3 0 0	000000000000000000000000000000000000000	0 0 0 0 16 0 0 0 22 0 0	0 2 0 3 0 0 0 8 0 0	000000000000000000000000000000000000000	000000000	0100000000	0 0 0 0 0 0 0 0	000000100	000000000000000000000000000000000000000	1 0 0 0 0 0 0 0	2000000000	2 0 0 0 0 0 0 0 0 0		00000000000
11 12 13 14 15 16 17 18 19	000000000	0000000000	0 0 0 0 0 0 0 0	000000000	000000000	000000000	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0	0 45 0 0 3 0 0	0 0 12 0 3 0 2 0 0 0	0 19 0 16 0 6 0 4	0 0 25 0 11 0 9 0 5	0 0 16 0 5 6 5 0 0	0 0 0 0 0 0 0 0 0	0090156000	0 0 0 0 0 0 0	0 0 0 0 4 0 0 0	3000	000000000000000000000000000000000000000	000000000	000000001	000001005	0 0 0 0 0 1 0 0 1	0 0 0 0 0 0 0 11		0 0 6 0 2 1 2 0 0 1
21 22 23 24 25 26 27 28 29 30	0 0 1 0 0 0 0 0 0	0 0 1 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0	000000000	000000000	000000000	0 0 0 0 0 0 0 0 0	0 0 2 0 0 0 0 0	000000000000000000000000000000000000000	0000009000	0 0 0 0 0 17 0 0 0	000008000	0000000000	0000000000	0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0	0012000000	000000000000000000000000000000000000000	0000000000	000000000000000000000000000000000000000	0 0 0 0 1 2 0 0 0 0	010000000	000000000		0000000000
31 MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.	0
				-		~	~				*	- 0		2	1	0	U	0	0	0	0	U	0	U	0.	. F

PERCENTAGE OF DATA VALID - 99.3 PERCENTAGE OF DATA INVALID - 0.7

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. "**** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. "***** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POL	LUTANT	- 5	ULPH	UR DIO	CIDE							1	JNITS	- 0.0	1 PAR	RTS/MI	LLION	4						
	STA	TION -	NE	NO	77010		CALLUM	SUDBI	URY	AIRSHE	0					MON1	гн - д	ug	77						
DAY	t	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1 2 3 4 5 6 7 8 9	0 1 0 0 2 0 0 0 0 2	0 0 0 0 0 0 0 2	0 0 0 0 1 0 0 1	0 0 0 0 1 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0	1 2 0 1 0 0 0 0 0	0 0 0 0 0 2 1 0	0 0 0 0 0 1 2 0	0 0 0 4 0 0 0 2 4 0	0004000030	0002080040	0000030060	000000000000000000000000000000000000000	0000010000	7000050000	90000600000	200000000000000000000000000000000000000	4 0 0 0 0 0 1 0 2 0	0 0 0 0 0 1 0 2 0	0 0 0 0 0 1 2 0	000000000	0 0 1 0 0 1 2 0	1 0 0 1 0 2 0 0 2
11 12 13 14 15 16 17 18	0 0 0 1 0 1 4 1 0	0 0 1 0 0 1 2 1 0	0 0 0 0 0 0 19 1 0	0 0 0 0 1 0 1 0 0	0 0 0 0 1 0 0 1 0	0 0 1 0 0 1 0	0 0 0 0 0 0 1 0	0 0 0 0 2 0 0 1 0	1 0 0 0 3 1 0 1 0	0 5 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6 6 0 1 9 3	0 0 0 1 2 0 0 1 8	0 0 0 10 8 2 3 0 0	0 0 0 13 5 0 2 0 6	00051000011	00000000000	000000000000000000000000000000000000000	0006909500	0 0 0 12 10 0 14 16 0 0	0002400200	1 0 0 2 1 0 1 1 0	2 0 0 2 1 0 7 1 0 0	0 0 0 4 2 0 6 1 0 0	1 0 0 0 1 0 23 1 0	0 1 0 3 3 1 3 5 1
21 22 23 24 25 26 27 28 29	0 1 1 0 0 0	0 1 1 0 0 0 0	0 0 1 1 0 0 0 0	0 0 1 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	000000000	0 0 0 0 0 0 0 0	005000000	0 9 21 0 0 2 0	0 2 2 6 0 0 1 0 2	0 2 0 1 0 0 0 0	0 0 6 0 1 0 0 0	0 1 1 0 4 2 0 0	0 7 9 1 3 1 0 0	01214	0 2 5 1 6 2 0 0 0 0	0 0 15 1 10 1 0 0 0 0	0 0 0 2 7 1 0 0 0 0	1 0 0 0 2 1 0 0 0 0	1 0 0 0 1 1 0 1 0 1	1 0 0 0 1 1 0 0 0 1	1 0 0 0 1 2 0 0 0 1	20001	1 0 0 0 1 2 0 0	3 2 2 1 1 0 0 0
31 MEAN	1	0	1	0	0	0	0	0	1	0	1	0	0	0	2	0	2	0	0	0	0	0	0	1	1.0

PERCENTAGE OF DATA VALID - 99.3 PERCENTAGE OF DATA INVALID - 0.4

PERCENTAGE OF DATA UNAVAILABLE - 0.3

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

	STA	TION .	N.E.	NO 7	7010	C	ALLUM	SUDB	URY A	AIRSHE	D					MON'	TH - 9	EP	77						
HOUR DAY	1	2		4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 M	EAN
1 2 3 4 5 6 7 8 9	0002010000	0 0 0 0 0 0 0 0 0	001010000	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 1 0 0 0 0	00000000	0 0 0 0 0 0 8	000000000	4000000004	200000000000000000000000000000000000000	0000080000	1 0 0 0 0 8 0 0	0010090000	0 0 2 0 0 0 0 0 0 0	00800000	0 0 9 0 0 1 0 0 0 0	009000000	004000000	0 0 3 0 1 0 0 0 0	0 0 3 0 1 0 0 0 0	0 0 3 0 1 0 0 0 0	0 0 2 0 1 0 0 0 0 0	0 0 2 0 0 0 0 1
11 12 13 14 15 16 17 18 19	0 0 0 0 1 0 0 3 0 0	0 0 0 0 1 0 0 2 0 0	0 0 0 0 1 0 0 3	0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 1 0 0 0	0 0 0 0 0 1 0 0	000000000	0 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 4 3 0	0 0 0 0 0 0 0 13 3	000000000000000000000000000000000000000	0 0 0 0 0 0 0 41 1	0 4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2 24 0 0 0 0 1 13 0	10 18 0 0 0 0 0 2 7 0	7 18 0 0 0 0 1 4 0	12 11 0 0 0 0 2 2 0	3 2 0 2 0 0 1 1	0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 1 0 0	0 0 0 1 0 0 0	000000000	1 3 0 0 0 0 0 0
21 22 23 24 25 26 27 28 29	0 0 0 1 0 0 0 1 0	0 0 1 0 0 0 1 0	0 0 0 1 0 0 0 1 0	0 0 0 0 0 0 0 1 0	0 1 0 1 0 0 0 1 0	0 1 0 2 0 0 0 0 1 0	0 1 0 0 0 0 0 0 1 0	0 1 0 0 0 0 0 1 0	0 0 0 0 0 0 1 0	0 0 0 0 0 0 1 0	0 0 0 0 0 0 0 0 2 0	0200000000	0 3 0 0 0 0 0	0 3 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 3 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 3 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 2 0 0 0 0 0 1 1 0	0 0 0 0 1 1 0	0 2 1 0 0 0 0	0 2 1 0 0 0 0 1 1 0	0 1 1 0 0 0 1 0 0	0 1 1 0 0 0 1 0 0	0 1 2 0 0 0 0 1 0 0	0 1 1 0 0 0 1 0 0 0	0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
MEAN	0	0	0	0	0	0	0	0	0	0	1	1	2	2	2	2	1	1	1	0	0	0	0	0	0.7

PERCENTAGE OF DATA VALID - 99.0 PERCENTAGE OF DATA INVALID - 1.0 PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. "**** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. *- * INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POLL	LUTANT	- 5	ULPH	IUR D	OXIDE							Ü	NIFS	- 0.0	DI PAR	TS/MI	LLIO	N						
	STAT	TION -	NE	NO	77010	0	CALLU	M SUD	BURY	AIRSHE	D					MONT	тн - с	CT	77						
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 N	EAN
1 2 3 4 5 6 7 8 9	0000000000	000000000	0000000000	000000000	0000000000	000000000	0000000000	000000000	0 0 0 0 0 0 0 0	000000000	0 0 0 0 0 0 0 1	000000000	0000000044	0 0 0 0 0 0 0 1 9	0000000000	0000400000	0000600000	0 0 0 0 0 0 0	0000300000	0000000000	0000000000	0000100000	0 0 0 0 1 0 0 0 0	000000000	0 0 0 0 0 0 3
11 12 13 14 15 16 17 18 19	0 0 1 1 1 1 0 4 1	0 ***	0 1 1 1 0 2 1 1	0 1 1 1 1 0 2 1 1 1	0 1 1 1 1 1 1 1	0	0	0	0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0 4 1 1 1 1 2 1 1	0 11 1 1 1 2 1	0 1 1 1 1 2 1 1 1 1	0 1 1 1 1 2 1 1 3	0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0 24 1 1 1 1 1 1 1 2	0 1 1 1 1 1 1 5 2	0 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0 1 5 1 1 1 1 3 2 1 1 1	0 1 4 1 1 1 1 2 2 1 1 1	0 1 2 1 1 1 3 2 1 1	0 1 1 1 1 28 1 1 1 1	0 1 1 1 1 1 1 1 1 1 1 1	0 1 1 1 1 7 1 1 1 1 1	0 1 1 1 1 3 1 1 1 1	0 3 1 1 1 6 1
21 22 23 24 25 26 27 28 29	1 2 1 0 1 3 1 2 1 1	1 2 1 1 2 1 1 1	1 1 1 2 1 1 1 1 1	1 1 1 2 1 1 0 1	1 1 1 1 2 1 1 1 0 1	1 1 1 1 2 1 1 1 0 1	1 1 1 1 2 1 1 1 1 1 1	1 1 1 1 2 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1	2 1 1 3 1 1 1 1 1 1	4 1 1 3 1 5 1 1 1	2 1 1 3 1 2 1 1 1	3 1 1 2 8 1 10	2 1 1 3 1 2 1 1	2 1 1 3 2 1 2 1 1	2 1 1 3 2 1 1 1	2 1 1 3 1 2 1 1 1	1 1 3 1 3 1 1 1 1	1 1 1 3 1 3 1 1 1 1	3 1 3 1 1 1	1 1 1 2 1 1 1 1	1 1 0 1 2 1 1 1 1	1 1 2 1 1 1 1 1 1	1 1 1 2 1 1 1 1 1 1 1 1	1 1 1 2 2 2 2 1 1
31	1	3	1	1	1	1	1	1	1	4	1	1	1	1	1	1	1	,1	3"	3	1	1	1	1	1
MEAN	1	1	1	1	1	1	1.	1	1	1	1	1	3	1	2	1	.1	1	1	1	2	1	1	1	1.1

PERCENTAGE OF DATA VALID - 99.1 PERCENTAGE OF DATA INVALID - 0.9

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. "." INDICATES DATA IS UNAVAILABLE
 - 3. ****** INDICATES LEJS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

														0141		от гд	4 12/W	ILLIO	N						
	514	TION	- NE	NO	77010	(CALLUM	SUDB	URY	AIRSHE	D					MONT	тн -	NOV	77						
DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1 2 3 4 5 6 7 8 9	1 2 2 2 1 1 1 1 1 2 1	1 2 2 2 1 1 1 1 1 2	1 3 2 2 1 1 1 1 2 4	1 2 2 1 1 1 1 1 2	1 2 2 1 1 1 1 1 1 1 2	1 2 1 1 1 1 1 1 1 2	1 2 1 1 1 1 1 1 2	1 2 1 1 1 1 1 1 1 1 1 2	1 1 1 1 1 2	1 2 1 1 1 1 1 1 1 2	1 1 1 1 1 1 1 1 2	1 2 1 1 1 1 1 1 1 1 1 1 2	1 2 2 1 1 1 1 1 1 1 2	1 3 2 1 1 1 1 1 1 1	1 3 2 1 1 2 1 1 1 2	1 3 2 1 1 1 2 1 1 1 1 1	1 2 2 1 1 1 1 1 1	1 2 2 1 1 3 1 1 1 1	1 2 2 1 1 3 1 1 1 1 1	1 2 2 1 1 3 1 1 1 1	1 2 2 1 1 4 1 1 1 1 1	1 2 2 1 1 3 1 1 1 1	1 2 2 1 1 2 1 1 1 1 1	1 2 2 1 1 1 1 1 1	1 2 2 1 1 1 1 2 2 1 1 1 2 2
12 13 14 15 16 17 18 19	1 1 1 1 1 1	1 1 6 1 1 1 1 4 1	1 1 7 1 1 1 1 8	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	7 7 1 1 1 1 1 1 1 1 1 1 1	1 1 5 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1	1 1 3 1 1 1 1 2 1	1 1 1 1 1 1 3 1	1 1 2 1 1 7 9	1 1 1 1 1 3 1 1	1 1 1 1 1 9 1 1	1 1 1 1 4 2 1 1	1 1 1 1 2 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 0 2 1 1	1 1 1 0 4 1 1	1 1 2 1 1 0 2 1 1	1 7 1 1 1 0 2 1	1 1 5 1 1 1 0 1 1 1 1	1 1 1 1 1 1 0 0 1 1	1 1 2 1 1 1 0 1 1 1 1	1 1 1 1 1 1 1	1 1 1 1 3 1 1	1 1 2 3 1 1 1 2 3
21 22 23 24 25 26 27 28 29 30	1 1 0 2 0 0 0 0 2	1 1 0 3 0 0 0 2	1 1 0 2 0 0 0 2	1 1 1 0 1 0 0 0 2	1 1 1 0 0 0 0 0 2	1 2 1 1 0 1 0 0 0	1 0 1 0 0 0 0 2	1 1 1 0 1 0 0 0 0 2	1 1 0 1 0 0 0 2	1 1 0 1 2 0 2 2	1 1 1 1 0 2 2	1 5 1 1 1 1 1 0 1 2	1 5 1 3 1 0 0 0 1 2	1 3 1 1 0 0 0 0 1 2	1 3 1 4 1 0 0 0	1 2 1 4 1 0 0 0 1 2	1 1 2 1 0 0 0 1 2	13 2 1 9 0 0 0 0 1 2	6 2 1 2 0 0 0 1 2	1 2 1 1 0 0 0 0 1 2	9 2 1 0 0 0 0 1 2	8 2 1 0 0 0 0 0 1 2	4 2 1 0 0 0 0 0 1 2	5 2 1 0 0 0 0 1 2	3 2 1 2 0 1 0 0 1 2
MEAN	1	1	2	2	1	1	1	1	1	2	1	1	1	1	1	1	1	2	1	1	,	1	1	,	

PERCENTAGE OF DATA VALID - 99.7

PERCENTAGE OF DATA INVALID - 0.3

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

POLLUTANT - SULPHUR DIOXIDE UNITS - 0.01 PARTS/MILLION STATION - NE NO 77010 CALLUM SUDBURY AIRSHED MONTH - DEC 77 8 9 10 13 14 22 23 24 MEAN 0 0 0 0 0 15 12 13 14 15 16 17 18 19 20 22 23 24 25 26 27 0 20 ò Ö MEAN 1.4

PERCENTAGE OF DATA VALID - 99.7

PERCENTAGE OF DATA INVALID - 0.3

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. *-* INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

CNIARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOU LY AND 2-HOURLY DATA FOR 1977

MONTHLY SUMMARY (F HOU LY AND 2-HOUR	LY DATA FOR 1977		
POLLUTANT - SULPH	HUR DIOXIDE		UNITS - 0.01 PARTS/MILL	ION
STATION ' NO	77010 CALLUM SU	DBURY AIRSHED		
MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
Uie:	31	0.7	3	34
FEB	28	1.0	4	24
MAR	31	0.8	3	32
APR	27	0.7	4	21
MAY	30	0.7	3	37
JUN	30	0.8	5	54
JUL	31	0.7	6	45
AUG	31	1.0	5	23
SEP	30	0.7	6	41
OCT	31	13.1	6	44
NOV	30	1.3	3	17
DEC	31	1.4	.6	59
YEAR	361	0.9	6	59

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1977 POLLUTANT - SULPHUR DIOXIDE UNITS - 0.01 PARTS/MILLION STATION - NE NO 77010 CALLUM SUDBURY AIRSHED MONTH DO TO 04 05 TO 10 11 TO 14 15 TO 25 26 TO 39 40 &OVER TOTAL 734 5 3 0 1 0 743 FEB MAR APR ĵ MAY JUN JUL AUG SEP OCT NOV

Ť

DEC

YEAR

FREQUENCY	DISTRIBUTI	ON BY	PERCENTILES									
	PERCENT OF DATA				FREQUENCY		TRATIONS	DEDCENT				
	VALID	MIN	10	30	50	70	90	95	98	99	MAX	MEAN
	98.8	0	0.0	0.0	0.0	0.3	1.7	2.9	7.5	11.9	59	0.9

UNITS - 0.01 PARTS/MILLION

	STA	TION	- NE	NO 7	7012	S	KEAD	SUDBU	RY AI	RSHED						MON	тн - ,	JAN	77						
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 MI	EAN
1 2 3 4 5 6 7 8 9	000000000	000000000	000000000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0	00000000	000000000	00000000	00000000	000000000	020000000	0 3 0 0 0 0 0 0 0	0 11 0 0 0 0 0 0 0 0	500000	000000000000000000000000000000000000000	0 1 7 0 0 8 0 0	030000000	0 4 4 0 0 7 0 0 0 0	0000000400	0000070000	0400000000	0000000000	0000000000	000000000000000000000000000000000000000	0 1 1 0 0 0 0 0 0 0 0 0
11 12 13 14 15 16 17 18 19 20	00000000	000000000	0 0 0 0 0 0 0 0	000000000	000000000	00000000	000000000	000000000	000000000	000000000	000000000		0000000000	000000000	0 0 0 0 0 0 0 7	000000000	00004	000000000	0000000000	000000000	000000000	0000000000	000000000	00000000	0 0 0 0 0 0 0 1
21 22 23 24 25 26 27 28 29 30	00000000	000000000	000000000	000000000	000000000	0000000000	0000000000	000000000	0000000000	000000000	000000000	0000000000	0 0 0 0 0 7 0 0	00000000000	0000000000	0000000400	000000000000000000000000000000000000000	000000000000000000000000000000000000000	0000000000	0000000000	000000000	000000000	000000000	0000000000	000000000000000000000000000000000000000
31 MEAN	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1	0	0	0	0	0	0	0	0	0.2

PERCENTAGE OF DATA VALID - 99.5 PERCENTAGE OF DATA INVALID - 0.5

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. *-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POL	LUTAN	r - ş	ULPH	UR DIO	XIDE							į,	INITS	- 0.0	1 PAR	RTS/MI	LLIO	N						
	STA	TION	- NE	NO	77012	5	KEAD	SUDBU	RY AI	RSHED						MONT	гн - г	EB	77						
HOUR DAY	1	2	3	4	5	6	7	8	9	10	1.1	12	13	14	15	16	17	18	19	20	21	22	23	24 MI	EAN
1 2 3 4 5 6 7 8 9	0 0 0 0 0 0 17 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 10 0	0 0 0 0 0 3 32 0	0 7 0 0 0 0 0 9 4	0 0 0 0 0 0 33 0	00300030	0 0 20 0 0 0 0 0	0 0 4 0 0 0 0 0 0 10 0	0 5 3 0 0 0 0 0 2 0	04300000000	0 3 1 0 0 0 0 0 4 0	0500000000	0500000140	0 0 0 0 0 23 3 3	0 0 0 0 0 0 0 31 3	3500000935	0000000496	0 1 3 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 13 0 0 0 0 0 3 2 4	0 1 0 0 0 0 3 2 2	0 3 0 0 0 0 0 2 2 2	010000522	0 0 0 0 0 0 3 2 2	0 4 2 0 0 0 0 4 8
11 12 13 14 15 16 17 18 19	000000000	0 0 0 0 0 0 0 0 0 0	00000000	000000000000000000000000000000000000000	000000000000000000000000000000000000000	0000000000	30000000	3 7 0 0 0 0 0	4 3 0 0 0 0 0 0 0	340000000	000000000	N 0 0 0 0 0 0 0 0	0000004000	000000000	0000000000	00000000	0 0 0 0 0 13 0 0 0	0000000000	000000000	000000000	0000000000	0000000000	0000000000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 0 0 0 0 1 0 0
21 22 23 24 25 26 27 28	0 8 0 0 5 0 0 0	0 13 0 0 6 0	0 7 0 0 3 0 0	04005000	0 0 0 0 0	0 0 0 0 0 0	0000000	0 0 0 0 0 0	0000000	0000000	0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0	0 0 16 0 0 0	0 0 0 132 0 0	0 0 38 0 0	86 0 0 0 0	12 0 0 37 0 0	0 0 0 0 0 0	0 0 0 0 0 0	1 2 0 13 1 0
MEAN	1	2	7	2	1	1	0	1	1	1	0	0	0	0	1	2	2	1	6	2	4	2	1	0	1.4

PERCENTAGE OF DATA VALID - 100.0 PERCENTAGE OF DATA INVALID - 0.0

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. "***** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNITS - 0.01 PARTS/MILLION

	STA	TION	· NE	ND 7	7012	1	SKEAD	SUDBU	JRY A	RSHED)					MON	гн - 1	MAR	77						
DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 M	EAN
1 2 3 4 5 6 7 8 9	0 0 0 0 0 0 0 0 0	0000000000	0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0000000000	000000070	0 0 0 0 0 0 0 16 0	000000000	0000000	000000000	000000000	0000000000	42 0 0 0 0 0 0	0 47 0 0 0 0	0 30 0 0 0	0 35 0 0 0 0	0 29 0 0 0 0	0 20 0 0 0 0	10 0 0 0 0 0	000000400	0 0 0 0 0 0 0 0 0	0000000000	0 0 0 0 0 0 0 35	0 0 14 0 0 0 1 0 0	0 0 9 1 0 0 0 2 1 0
11 12 13 14 15 16 17 18 19	0 0 0 0 6 0 10 0 8	000000000000000000000000000000000000000	000000000000000000000000000000000000000	0000300903	0 0 0 4 0 0 1 0 0 1	0 0 0 4 0 5 0 7	00006000009	0 0 0 1 1 0 0 1 2 5	0 0 0 1 1 0 0 0 1 6	000000007	000090000	0000900000	0 0 0 0 0 0 0 0	000000000	00000000	200000000	1 0 0 0 2 0 0 1 0 2	0 0 0 0 2 0 0 1 0 2	000020005	0 0 0 3 0 13 5 0	0 0 0 5 0 7 0	0 0 0 2 0 28 0 2 3	0 0 0 3 0 13 0 9 0	0 0 0 7 0 12 0 8 0	0 0 0 4 0 3 3 1 3
21 22 23 24 25 26 27 28 29 30	000008000	0000000000	0 0 0 0 0 0 0 4	000000000000000000000000000000000000000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0000001000	0 0 0 0 0 0 0	0 0 0 0 0 0 0	00000000	000000000	000000000	0 0 0 0 0 0 0 0	00000000	0 0 0 0 0 0 0 0 0	0 0 24 0 0 22 0 0 0	0 0 27 0 0 9 0	0 0 0 0 0 0 0 0 0 8 0	0 0 0 0 36 0 0	0 0 0 0 18 0 0 5 0	000032000	0 0 0 0 0 0 0	0 0 0 0 13 6 0 0 0	0 0 0 0 11 6 0	0 0 0 0 7 0 0 0 0	0 0 2 0 0 7 1
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	1	1	1	1	1	Ť	1	1	1	1	0	0	1	2	3	2	2	2	2	1	1	2	2	2	1.3

PERCENTAGE OF DATA VALID - 99.9 PERCENTAGE OF DATA INVALID - 0.1

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- * * INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEJS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

POLLUTANT - SULPHUR DIOXIDE UNITS - 0.01 PARTS/MILLION STATION - NE NO 77012 SKEAD SUDBURY AIRSHED MONTH - APR 77 HOUR 6 7 B 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 MEAN 0 00 0000000000 0000000000 54 0000 27 00000 18 000000010 0000000000 000000000 234567 500000 0 0 35 0 0 0 2 000000040 00000000 00000000 00000000 10 6 0 0 0 9 11 12 13 14 15 16 17 18 19 20 41 0 0 0 0 0 0 0 0 27 0 0000000000 0000000000 8000000008 38 10 0 0 0 0 0 0 0 10 0 0 0 0 39 0 2 0 60 0 0 0 0 4 0 B 2 0 0 0 0 2 4 11 6 25 500000410840 3 0 0 0 0 0 5 5 5 5 17 0000000000 50000700 8 0 0 0 3 1 4 3 15 0000000804 0000000000 0000 13 22 37 20 28 0 0 21 22 23 24 25 26 27 28 29 000000000 25 00 00 0 14 00 00 00 20 25 57 0 0 0 0 0 0 8 0 51 0 0 0 0 66 0 0 0 0 0 0 61 0 0 0 0 5 0 16 0 0 0 0 0 0 0 0 0 0 0 4 13 0 0 15 0 0 0 0 9 18 0 0 0 0 9 0 0 00000 00000000 00000000001 0 o 30 0 0 46 45 MEAN 10 6 1 2.7 1

PERCENTAGE OF DATA VALID -100.0

PERCENTAGE OF DATA INVALID - 0.0

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- "-" INDICATES DATA IS UNAVAILABLE 2.
- 3. "***** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

		LOIM		0.00																					
	STA	TION	- NE	NO 7	7012	:5	KEAD	SUDBU	PY A	RSHE	0)					MON	H - 1	ИΑΥ	77						
HOUR	ij	2	3	4	5	6	7	. 8	9	10	3.1	12	13	14	15	16	17	18	. 19	20	21	22	23	24	MEAN
1 2 3 4 5 6 7 8 9	17 0 0 0 0 0 0 0 0 0	17000100000	20 0 0 0 0 0 0 0 0	600000000	500000000	1000000000	13 0 0 0 0 0 0 0 0 0	18 0 0 0 0 0 0 0 0	-000000000	800017000000	00000000	000000000	000-000000	0000000000	BOODWBOODO	OGGGGGGGGG	0000400000	0000000000	0000880000	0 0 0 10 3 0 0 0 0 0	0000000000	0000000000	0000000000	000000000	6 0 5 1 0 0
11 12 13 14 15 16 17 18 19	000000000	0000000000	0000000000	000000000	000000000	0000000000	0000000000	000000000	000070000	0000800000	0000800000	0000000000	000000000	2000010000	000000000000000000000000000000000000000	0000-40005	100001	0000680007	00000000000	000000000000000000000000000000000000000	0000000000	0000000000	0000000000	0000500000	000000000000000000000000000000000000000
21 22 23 24 25 26 27 28 29 30	7 0 17 0 0 0 0 0 0	002000000	003000000	0094000000	16800000	0809010000	0 F 4 5 0 0 0 0 0	25 50 16 30 00 00 00	58440000000	1820000000	40 25 11 00 00 00 0	24600000000	13000000	100840000000	MOCCOCCOCC	ососсосима	20 13 00 00 00 00 18	11 05 00 00 00 015	000000000	050000000014	0070000000	0050000000	0900000000	0 16 0 0 0 0 0 0 0 0	8 12 9 1 0 0 0 0 0 3
31	0	0	0	0	0	0	0	4	56	36	11	1	3	0	5	5	4	0	1.1	8	0	0	0	0	6
MEAN	1	2	1	1	1	1	2	4	9	3	4	2	2	2	3	1	3	2	2	2	0	0	0	1	2.0

PERCENTAGE OF DATA VALID - 100.0 PERCENTAGE OF DATA INVALID - 0.0

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. *- INDICATES DATA IS UNAVAILABLE
 - 3. ****** INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POL	LUTAN	r - s	игрни	R DIO	XIDE							į,	UNITS	- 0.1	1 PAF	RTS/M	ILLION	4						
	STA	TION	NE.	NO 7	7012	S	KEAD	SUDBU	AY A	RSHED	1					MONT	tii - ,	JUN	77						
HOUR	1	2	3	4	5	6	7	9	9	10	1.5	12	13	14	15	16	17	18	19	20	21	22	23	24 M	EAN
1 2 3 4 5 6 7 8 9	0000000000	0000000000	0 0 0 0 0 0 0 0	00000000000	0000040000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	00000000000	0000000000	00000000000	0000000000	00000000000	0000000000	0000000000	1200000000	0000000000	000000000	0000000000	0000000000	000000000000000000000000000000000000000	000000000000000000000000000000000000000
11 12 13 14 15 16 17 18 19 20	000000000	0000000000	0 0 0 0 0 0 0	0000005000	0000004000	0000000000	0000000000	0000000000	0000000000000	000000000	0000000000	21 00 0	00000000000	00000000400	00000000000	000000000	163000	00000000	0000000000	0000802000	3000900000	0000000000	00000 00000	000 000000	0000
21 22 23 24 25 26 27 28 29 30	0 0 0 0 0 0 10 13 0	00000001490	000000850	000000000000000000000000000000000000000	0000000000	000000000	0000000000	0 0 0 0 0 41 26 0 0	0004007	NOONOO0000	0000001014	000000800	006000700	000000000	0090002405	0 0 7 0 0 6 3 0 0 1	004006	009000401	0 0 0 0 4 3 0 0 1	0 0 0 0 0 0 0 1	0 0 0 0 0 0 0 73	0 0 0 0 0 7 19	0 0 0 0 0 0 18 0 1	0 0 0 0 0 0 3 15 0 1	0 0 2 1 0 1 4 9 2 2
MEAN	1	1	,	-	0	0	o	2	i i	8	1	1	1	2	1	0.34		1	1	1	3	1	ï	1	1.0

PERCENTAGE OF DATA VALID -100.0 PERCENTAGE OF DATA INVALID - 0.0

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. *-* INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALED DATA FOR DAILY MEAN IN THE DAY

UNITS - 0.01 PARTS/MILLION

														B1000 B11110 B1					*							
	STA	TION	· JE	NO 1	77012	5	SKEAD	SUDB	JRY A	IRSHE	•					MON	тн - ,	JUL	77							
HOUR DAY	1	2	3	4	5	6	7	В	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 M	EAN	
1 2 3 4 5 6 7 8 9	0 0 0 0 0 0 0 0 0	000000000	0 0 0 0 0 0 0 0	000000000	000000000	0000000000	0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	00000000	000000000000000000000000000000000000000	000.00000	0 0 0 0 0 0 0	00300000	000000000000000000000000000000000000000	3 0 4 0 0 0 0	2 0 0 2 0 0 0 3 0 6	500000000	004000005	0 23 0 0 0 0	0000000006	00000000	000000000	0 23 0 0 0 0	0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
11 12 13 14 15 16 17 18 19	2 0 0 0 0 0 0 0	3 0 0 30 0 0 0	4 0 0 16 0 0 6 0	0 0 0 0 0 0 0 36	0600000000	0000000000	0 0 0 0 0 0 0	0 128 0 0 0 0 0	58 48 0 0 0 0 0 0	32 0 0 0 0 0	0 0 7 0 0 0 24 3	0 0 8 0 0 0 26 4	2 1 0 20 0 0 0 27 24 8	0 1 0 22 0 0 0 0 15	2 1 0 5 0 0 10 17 5	5 0 0 4 0 5 30 0	11 0 0 32 0 2 0 3 11	0 12 0 0 0 9 0 4 7	4 0 0 0 0 0 1 2 0	3 5 0 0 4 0 0 0	0 0 0 0 0 0 0 0	0 21 0 5 0 0 0 0	1 22 0 0 0 0 0	2 0 0 0 0 0 0 0	5 10 0 4 2 1 0 6 8	
21 22 23 24 25 26 27 28 29 30	000000000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	000000000	000000400	0 0 0 0 0 0 24 0 0	0 0 0 0 0 0 34 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 13 0	0 0 5 0 0 36 4	0 0 0 0 0 28 18	0 0 0 0 0 0 0 20 21	0 0 0 0 0 0 7 32	0 0 0 0 0 11 10 0	00000760	0 0 0 0 0 0 37 8	0 0 0 0 0 0 33	000000560	0 0 0 11 0 0 0	000000000	000800000	0 0 0 0 0 0 0 0	000700000	000000000	000000000000000000000000000000000000000	0 0 0 1 0 0 0 0 11 8	
31	0	0	0	0	0	0	0	0	0	0	9	37	8	2	9	3	0	0	25	14	24	0	٥	0	5	
MEAN	0	1	1	1	1	1	2	5	5	3	3	4	4	2	3	4	3	2	2	1	2	1	2	1	2.2	

PERCENTAGE OF DATA VALID - 99.6 PERCENTAGE OF DATA INVALID - 0.1

PERCENTAGE OF DATA UNAVAILABLE - 0.3

NOTES 1. "***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POI	LUTAN	(T - 5	SULPH	UR DI	DXIDE							ı	JNITS	- 0.0	DI PA	RTS/M	LLIO	N						
	STA	TION	. NE	NO	77012	3	SKEAD	SUDBL	IRY A	IRSHE	•					MON	тн - ,	AUG	77						
DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1 2 3 4 5 6 7 8 9	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0	000000000000000000000000000000000000000	0 0 0 0 35 0 0	0 0 0 28 0 0 0	3 0 0 0	0 0 0 17 0 0 0	0 0 0 0 0 0 0 0	000000000	0 0 11 0 0 0 0 35 0	0 8 0 0 28 5 0 0	0 60 0 0 0 22 11 0	0 0 0 3 10 0	0 3 0 27 3 0 0 9	0 15 0 30 6 0 0	0 8 0 34 7 0 18 0	0 2 10 38 5 0 31 0	0 0 21 6 4 0 11 0	0 0 1 0 0 0 17 0	0 0 2 1 0 0 0 0 0	0 0 0 0 0 0 0 0	003600000	0000	00000	0 1 5 6 5 0 7 5 0
11 12 13 14 15 16 17 18 19	41 0 0 0 0 0 0	82000000	30 0 0 0 0 0 0	8 0 12 0 0 0 0 0 0	207000000000000000000000000000000000000	0040000000	15000000	0 0 0 0 0	0040000000	0 0 0 0 0	009000000	0 14 10 0 0 0 0	15 0 0 0 0 0 0 0	01100000000	0 5 1 0 0 0 0 0 0 0	33000001	0 12 1 0 0 0 0 0 0	0 25 16 0 0 0 0	0 0 0 0 0 0 0	0 39 0 0 0 0 0 0 0 0 0	0 32 0 0 0 0 0 8 0 3	0 17 0 0 0 0	0 43 0 0 0 0 0	1500000000	1 10 10 0 0 0 0
21 22 23 24 25 26 27 28 29 30	2 0 0 0 4 0 42 0	5 0 0 0 0 0 0 0 0 4 0 0	000000000000000000000000000000000000000	0 0 0 0 0 0 0 0	0 0 0 0 0 0 77 0	0 0 0 0 0 0 0 0 0	5000	0 0 0 0 6 2 54 0	0 0 0 0 12 14 0 0	0 0 0 0 7 0 0 0	4000	8 0 0 0 38 9	0000000000	000000000000000000000000000000000000000	69 0 0 0 0 0 50	20 0 0 0 0 0 0 0 0	77 1 0 0 2 0 0 116 0	35 6 0 10 0 4 69	0 2 0 0 7 0 9 0 0 0	0 7 0 0 40 0 4 0	0 54 0 0 0 0	0 7 0 0 0 4 0	0 19 0 0 0 0 0 0 0	0000101000	9 4 0 0 3 0 6 34 0
31 MEAN	3	o 5	14 5	12	4	0	3	0 2	1	2	18 5	30 7	19	1	1 1 6	6	10	0 7	0 2	o 3	56 5	26 2	3	1	8 3.8

PERCENTAGE OF DATA VALID -100.0

PERCENTAGE OF DATA INVALID - 0.0

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- -- INDICATES DATA IS UNAVAILABLE
- 3. " " INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

	STA	TION	- NE	NO '	77012	S	KEAD	SUDBU	RY A	RSHE	0					MONT	rH - s	EP	77						
HOUR DAY	1	2	3	4	5	6	7	В	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 N	EAN
1 2 3 4 5 6 7 8 9	18 00 00 00 00 0	38 0 0 0 0 0 0 0	2500000000	2000000000	37 0 0 0 0 0 0	000000000000000000000000000000000000000	5000000000	000000000	0 0 0 0 0 0 0 0	0 0 47 0 0 0 17	0 0 0 10 0 0 0 0 24	0 0 18 0 0 0 27	0 0 3 0 0 0 26	0000000000	000000000000000000000000000000000000000	000000000	0 0 0 0 0 0 0 0 0	050000300	0 3 0 0 0 0 0 0 0	03000000	0 1 0 0 0 0 0 0 0 0 0 0	000000000	000000000	000000000	6 1 0 3 0 0 0 0 5
11 12 13 14 15 16 17 18 19	0000000000	000000000	000000000	000000000	0000000000	0000000000	000000000	000000000	00000000	000000000	000000000	0 0 0 0 0 0 0 0	00000000	00000000	00000000	000000000	000000000	000000000	000000000	000000000	000000000	000000000	000000000	000000000	000000000000000000000000000000000000000
21 22 23 24 25 26 27 28 29	0 0 1 1 0 0 0 0 0 0	13 0 0 0 0 0 0 0	0 0 13 0 0 0 0 0 0 0 0	009000000	006000000	0060000000	0050000000	0000000000	000000000	000000000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	00000000	0 0 0 0 0 0 0 0	0 0 0 0 0 0 15 0	000000000	00000000	00000000	000000000	0000000000	00000000	0 0 0 0 0 0 0 0 0	000000000	000000000	060000000	0 0 3 0 0 0 0 0 0 0 1 0
MEAN	1	2	1	0	3	1	0	0	0	2	1	2	1	1	0	0	0	0	0	0	0	0	0	0	0.6

PERCENTAGE OF DATA VALID - 99.7 PERCENTAGE OF DATA INVALID - 0.3

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. ****** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. *-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	PO	LLUTA	NT -	SULPH	UR DI	OXIDE								UNITS	- 0.	01 P/	ARTS/N	ILLIO	N						
	ST	ATION	- NE	NO	77012		SKEAD	SUDE	SURY A	IRSHE	D					MON	NTH -	ост	77						
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1 2 3 4 5 6 7 8 9	000000000000000000000000000000000000000	000000000	000000000	000000000000000000000000000000000000000	000000000	000000000	0000000000	0 0 0 0 0 0 0	000000000000000000000000000000000000000	000000000	000000000	0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 1	0000008	0 0 0 6 0 0 0	0 0 0 0 0 0 0 0 10	0 0 0 0 0 0 0 19	000000000	0 0 0 0 0 0 0 0 0	00000000	0000000000	0000000000	000000000	0000000000	0 0 0 1 0 0 0 0 2
11 12 13 14 15 16 17 18 19 20	000000000000000000000000000000000000000	00000000	0 12 0 22 0 0 0	0 14 0 5 2 0 0	0 2 0 0 0 0 0 0	04000000	0 0 0 0 0 0 0	00000000	00000000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 34 0 0	26 0 0 0 0	0 0 0 8 0 0 0 0	0 0 21 38 0 0 0 0	0 0 35 43 0 0 0	0 0 11 15 0 0 0	3 0 58 5 0 0 21	3 0 61 0 0 0 12	1 0 47 0 0 0 31 0	4 0 18 0 0 0 48 0	0 9 21 0 0 19	0 0 0 0	003000000000000000000000000000000000000	000000000000000000000000000000000000000	0 1 11 9 0 0 6
21 22 23 24 25 26 27 28 29 30	0 16 0 0	0 0 0 0 0	0 2 0 0 0 0	47 4 0 0 0	107 6 0 0 0 0 0	79 0 0 0	55 0 0 0 0	500000	12 0 15 0	43 0 15 0	21 0 86 0	8	DATA	I NVAI I NVAI I NVAI 72 0 3 0 2	LID - LID - 41 43 0	18 14 0 16 0	12 54 3 5 0 0	4 12 2 0 0 0	0 0 0 0 0 0	2 0 0 0 0 0 0 0	10 49 0 0 0	0 14 0 0 0	00000	000000	30 1 9 0 0
31 MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	9	9	3		0	0	0	0	0	0	0	3.1

PERCENTAGE OF DATA VALID - 83.3 PERCENTAGE OF DATA INVALID - 16.7 PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

	S	TATION	· NE	NO	77012		SKEAD	SUDE	BURY A	IRSHE	D					Mor	vtH -	NOV	77						
DAY	1	2		4	5	6	7	8	9	10	1.1	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1 2 3 4 5 6 7 8 9	0000	61 0 0 0 0 0	000000000000000000000000000000000000000	0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0	00000	0 0 0 0 0 0 0 0	000000000000000000000000000000000000000	000000000	000000000	0000	0 38 0 0 0 0 0 0 0	65 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 41 0 0 0 0 0 0	0 17 0 0 0 0 0 0 0 0 0 0	000000000000000000000000000000000000000		0 2 6 0 0 0 0 0 0	0 69 0 0 0	000000000000000000000000000000000000000	000000000000000000000000000000000000000	000000000000000000000000000000000000000	0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 5	0 11 3 0 0 0 0 0 0 0 1
11 12 13 14 15 16 17 18 19 20	24 0 0 0 0 0 0 0 0	0000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	000000000000000000000000000000000000000	000000000000000000000000000000000000000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0	000000000000000000000000000000000000000	000000000000000000000000000000000000000	000000000000000000000000000000000000000	000000000000000000000000000000000000000	000000000000000000000000000000000000000	000000000000000000000000000000000000000	0000	0 0 12 0 5	22 0 1 0 0	0 0 11 0 4 5 0	0 0 0 0 1 4 0 0 0	0 0 0 0 0 1 0 0 0 0	0 0 0 0 1 0 0	0 0 0 0 0 1 0 0 0 0	000000000000000000000000000000000000000	000000000000000000000000000000000000000	0 4 0 0 0 0 0 0 0 0 0 0	1 0 0 2 0 1 1 0 0
21 22 23 24 25 26 27 28 29 30	000000000000000000000000000000000000000	000000000000000000000000000000000000000	0 0 0	00000	85 0 0 0 0 0 4	41 0 0 0 0 0 0 0	000000000000000000000000000000000000000	000000000000000000000000000000000000000	000000000000000000000000000000000000000	500000000000000000000000000000000000000	6 0 0 0 0 0 0 0 7 4	000000000046	0 0 0 0 0 0 0 4 0	0 0 0 0 4	0 0 0 0 0 0 6 70 2	37 0 0 0 0 3 18 2	0 0 0 0 20	0 0 0 0 0 0 18 2 0	00000074	0000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	000000000000000000000000000000000000000	000000000000000000000000000000000000000	000000000000000000000000000000000000000	6 2 0 0 0 0 1 6 3 3
MEAN	1	2	2	0	3	2		0	0	0	1	2	3	2	4	3	2	1	3	0	0	0	0	1	1.5

PERCENTAGE OF DATA VALID - 93.5 PERCENTAGE OF DATA INVALID - 6.5

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. "**** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. *- " INDICATES DATA IS UNAVAILABLE
- 3. """ INDICATES LEJS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

POLLUTANT - SULPHUR DIOXIDE UNITS - 0.01 PARTS/MILLION STATION - NE NO 77012 SKEAD SUDBURY AIRSHED MONTH - DEC 77 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 MEAN DAY 1.8 9 10 12 13 14 15 16 17 18 19 20 0 0 0 0 0 22 23 24 25 26 0 0 MEAN 3: 1 1 0 0

PERCENTAGE OF DATA VALID - 98.0

PERCENTAGE OF DATA INVALID - 2.0

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. .. INDICATES DATA IS UNAVAILABLE
- 3. "***** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1977

POLLUTANT - SULPHUR DIOXIDE

YEAR

UNITS - 0.01 PARTS/MILLION

STATION - NE NO 77012 SKEAD SUDBURY AIRSHED

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	0.2	1	11
FEB	28	1.4	13	132
MAR	31	1.3	9	47
APR	30	2.7	15	74
MAY	31	2.0	12	84
JUN	30	1.0	9	73
JUL	31	2.2	1.1	128
AUG	31	3.8	34	116
SEP	30	0.6	6	47
OCT	25	3.1	30	107
NOV	30	1.5	11	85
DEC	30	0.4	2	36
YEAR	358	1.7	34	132

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1977 POLLUTANT - SULPHUR DIOXIDE UNITS - 0.01 PARTS/MILLION STATION - NE NO 77012 SKEAD SUDBURY AIRSHED MONTH OD TO 04 05 TO 10 11 TO 14 15 TO 25 26 TO 39 40 SOVER JAN FEB MAR APR MAY JUN JUL AUG 1.1 OCT NOV 1. DEC

FREQUENCY DISTRIBUTION BY PERCENTILES
PERCENT
OF DATA
VALID MIN 10 CONCENTRATIONS
FREQUENCY DISTRIBUTION, PERCENT ARITH 70 90 MAX MEAN 97.8 O 0.0 0.0 0.0 0.0 2.2 24.0 37.6 1.7

POLLUTANT - SULPHUR DIGY. JE

UNITS - 0.01 PARTS/MILLION

	5 T	NO 1 TA	· NE	NO	77013		HANME	R SUD	BURY	AIRSHE	D					MON	тн -	JAN	77							
HOUR DAY	1	2	ā	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	53	24 M	EAN	
1 2 3 4 5 6 7 8 9	0 1 0 1 2 2 1 0 1	0 1 1 2 1 2 2 1 1	3 0 1 1 1	0 1 1 1 1 1 1 2 1 0	0 0 1 1 0 3 1 1 0	0 1 1 1 2 1 1 0	0 1 1 0 4 2 1 1 1	0022042411	0 1 2 1 1 1 4	0 1 4 2 1 0 1 0 3 2	0 2 3 2 1 0 2 9 1 1	0 6 3 1 1 0 2 17 1	1 2 1 0 1 0 6 0 3	1 2 4 1 0 1 1 20 0 5	1 7 1 0 2 1 10 0	0 1 4 1 0 2 1 12 0 8	0 1 2 0 1 12 0 2	0 2 1 0 1 2 1 7 1 2	0 3 2 1 1 2 1 7 2 3	1 2 1 1 1 2 1 1 3	0 1 1 1 2 1 1 2 3	1 2 1 3 1 2 1 1 2 3	1 2 1 1 2 2 1 1 3	0 4 1 1 2 2 2 2 1 1 4		0 2 2 1 1 2 1 5 1 2
11 12 13 14 15 16 17 18 19	1 2 1 1 3 1 0 0 0 1	1 2 1 1 3 2 2 1 1 2	1 2 1 3 2 2 1 1 1	1 2 2 2 3 2 2 0 1	1 3 2 1 5 1 1 1	2 3 2 2 5 1 2 2 1 1	2 3 5 2 2 2 1 2 0 1	2 3 3 3 2 2 4 1	2 1 3 2 3 2 1 2 1 2	2 2 3 4 2 2 1 1	2 1 4 3 3 2 2 0 1 2	2 1 3 3 3 2 0 1 2	1 1 3 2 2 1 1 1 1 1 2	2 2 2 1 1 1 1 2	2 3 2 1 1 1 1 3	2 1 9 3 2 1 2 1 1 3	1 1 7 2 1 1 1 1 1 0 1	2 3 2 1 1 1 1 1 1	3 2 4 2 1 2 1 1 3	3 2 2 3 2 2 3 1 2 3	2 2 2 1 1 0 1 0 1	1 2 3 2 2 0 1	3 1 4 3 2 2 1 1 1	2 2 2 2 1 1 1		2 2 3 2 1 1 1 2
21 22 23 24 25 26 27 28 29	2 2 1	2 1 1 4	1 1 3 4	2 1 2 4	1 1 2 2 2 2 2	2 2 2 2	2 1 2 4	2 1 2 5	0 0 1 4	1 0 1 6	2 1 2 6 2 7 3 1			1 1 2 I NVAL I NVAL 2 8 2		2 3 2 1	1 0 1 2 5 2	1 7 2 5 3	1 1 5 2 3 2 1	3 3 2 3 1		3 2 2 1	1 2 2 2 1 2 1	2 · · · · · · · · · · · · · · · · · · ·	••••	1 1 2 4 2 2
31 MEAN	1	2	2	2	2	3	2	2	3	2	2	2	3 2	3	3	3	3	3 2	2	3 2	=	3 2	1	2	1	2

PERCENTAGE OF DATA VALID - 90.3 PERCENTAGE OF DATA INVALID - 9.7

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. "**** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. .- INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POLL	UTANT	- 5	ULPH	UR DIO	XIDE							·	JNITS	- 0.0	1 PAR	TS/M)	LLION	ı							
	STAT	ION -	NE	NO	77013		HANMER	SUDBU	łγ	AIRSHE	D					MONT	н - г	EB	77							
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 1	MEAN	
1 2 3 4 5 6 7 8 9	3 5 3 2 1 4 4	3 3 3 2 2 2 1 2 3 1	2 2 2 2 1 1 3 2 0	2 2 3 2 2 1 1 2 2 2	3 4 3 2 1 1 4 3 3 3	3 3 2 1 1 0 3 3 1	3 4 2 2 1 0 3 1	3 2 4 2 2 1 1 3 2	3352211322	3 1 4 2 2 1 1 2 3 2	3 2 3 2 1 2 2 0 0	2 2 3 2 0 1 2 1 2 1	4 3 3 2 2 2 2 2 2 1	3 3 2 1 3 2 1 2 1	3 2 2 1 2 2 1 1 2 1	3 2 1 2 2 3 2 1	3 2 2 2 3 3 2 1 2	2 3 2 1 2 1 3 1 2 2	3 4 2 1 1 2 3 2 3 2 3 2	3 5 2 1 1 2 3 2 3 3	2 9 2 1 1 2 2 2 3 3	2 5 2 1 1 1 2 1 2 3	2 5 2 1 2 1 2 2 3 2	2 4 2 1 1 1 2 2 3 2		3 3 2 2 1 2 2 2 2
11 12 13 14 15 16 17 18 19	2 2 1 1 1 2 2 3 2 2 2	2 1 1 2 1 1 2 2 2 2	2 2 1 1 3 1 0 2 1	3 2 1 1 3 3 2 2 2 2 2 2	3 2 2 1 2 1 2 2 2 2	3 2 2 1 3 2 2 2 2 2 2 2	2 2 1 1 4 2 2 2 1 1	2 1 1 2 2 2 3 1	2 3 1 1 3 2 3 3 2 1	2 3 1 1 3 2 2 4 1 2	3 2 2 1 3 2 2 5 2 2	3 2 1 2 2 1 1 5 2 2	1 0 1 3 2 1 3 4 1 2	1 1 0 3 2 1 3 4 1 2	1 0 3 2 1 2 4 1 2	1 1 3 2 2 2 4 1	1 1 2 2 2 1 4 1 2	1 1 3 2 2 1 4 1 2	1 2 3 2 2 1 2 1 2	2 1 1 4 2 1 1 2 2 2	1 1 2 2 2 1 3 1 2	1 1 2 2 2 2 3 2 2 2	1 1 2 1 2 2 2 1 2	1 1 1 2 2 2 1		2 2 2 2 2 3 1 2
21 22 23 24 25 26 27 28	1 4 0 0 0 0 0 0 0 0 0 0 0	1 7 0 0 0 0 0 0 0 0 0 0 0 0 0	1 2 0 0 13 0 0	1 1 0 0 9 0 0 0 0 0 2	0	3 0 0 0 0 0 0	300000000000000000000000000000000000000	3 0 0 0 0 0 0	2 0 0 0 1 0 0 0 2	0	0 0 0 0 0 0 0 1	0 0 0 0 1	0 0 0 0 1 0 0 2	0 0 0 1 0 0 2	4 0 0 0 2	30000000	0 0 0 0 0 1	00000200	0 0 0 0 3 0 0 0 2	0000000	0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0	11 0 0 0 0 0 0	90000000	1	2 1 0 0 2 1 0 0 .6

PERCENTAGE OF DATA VALID - 99.9 PERCENTAGE OF DATA INVALID - 0.1

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. -- INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LE-S THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

			-												- 1			0.000							
	STA	NOIT	NE.	NO 7	7013	H	ANMER	SUDB	URY A	IRSHE	D					MON	гн - н	MAR	77						
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 M	EAN
1 2 3 4 5 6 7 8 9	0000100050	0 0 0 0 0 0 0 0 0	000000000	0000000000	0000000000	0000000000	00000000	000000000	0 0 0 0 0 0 0 0 0	0 0 0 0 1 0 0 0	0 0 0 0 0 0 0 0	000000000	0000000000	0 0 0 0 0 0 0 19 0	0 0 56 0 0 0 0	0 0 8 0 0 0 2 0 1	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 15 0 0 0 0 2 23 0	0 0 17 0 0 0 7 0 0	0 0 0 0 0 2 0 24	0 0 0 0 0 1 6 0 17	0 0 4 0 0 0 7 0 1	0010000000	000000400	0 0 0 0 0 0 2 3 2
11 12 13 14 15 16 17 18 19	0000000000	0 0 0 0 0 0 0 3	0 0 0 0 0 0 0 7	0 0 0 0 0 0 0 0	000000000	000000000	000000000	000000000	0 0 0 0 0 0 0 0	0000000000	000000000	0000000000	0 0 0 0 0 0 1 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 1 0 0 0 1 8 0	0 0 0 0 0 0 0 15 0	0 0 0 0 1 0 6 0 2 0	00000014000	0 0 0 0 0 0 0 0 0 0	0000000000	0000000000	0000000000	00000000	0000000000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
21 22 23 24 25 26 27 28 29	0000001000	0000000000	0 0 0 0 0 0 0 0	000000000	000000000	000000000000000000000000000000000000000	000000000000000000000000000000000000000	000000000000000000000000000000000000000	0 0 0 0 0 0 0 0 1 1	000000000	0 0 0 0 0 0 0 10	000000	0 0 0 0 0 5 1	0 0 0 0 0 0 6	0 0 0 0 1 0 0 1 2	2 0 1 0 0 29 0 0	1 0 4 0 0 11 0 0 3	000000000000000000000000000000000000000	0 0 0 0 0 0 0 0	0000010000	0 0 0 0 0 2 2 0 0 0	0000000000	0 0 0 0 1 1 0 0 0	000000000	0 0 0 0 2 0 0 1 1
31 MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	2	2	2	0	0	1	0	0	0	0.6

PERCENTAGE OF DATA VALID - 99.7 PERCENTAGE OF DATA INVALID - 0.0 PERCENTAGE OF DATA UNAVAILABLE - 0.3

NOTES 1. ****** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POLI	LUTANT	- S	ULPH	UR DIO	XIDE							L	INITS	. 0.0	1 PAF	RTS/M	ILLION	N						
	STA	TION -	NE	NO	77013	,	HANMER	SUDI	BURY	AIRSH	ED					MONT	гн -	APR	77						
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 N	EAN
1 2 3 4 5 6 7 8 9	000000000	0 0 0 0 0 0 0 0 1 0 0	0 0 0 0 0 0 0 1 0	0 3 0 0 0 0 0 0 1 0	0 0 0 0 0 0 0	0 0 0 0 0 0 1 0	0 0 0 1 0 0 1 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 2	160005	3 0 0 0 22 0 0 0	16 0 0 0 11 0 0 0	2 0 0 18 0 0 0	3 0 0 3 0 2 0 0 2	0 0 0 0 0 2 0 0 1	0 0 0 0 0 2 0 0 1	0 0 0 0 2 0 1 0 0 2	11 0 0 0 0 0 3 2 0 3	8 0 0 0 0 2 3 0 2	200000302	000000000000000000000000000000000000000	1 0 0 0 0 0 0 0 1	000000000	0 0 0 0 0 0 0 1	2 0 0 0 3 0 1 0 0
11 12 13 14 15 16 17 18 19	0 0 0 0 0 0 1 1 1	0 0 0 0 0 0 1 1	4 0 0 0 0 0 0 0 1 1	2 0 0 0 0 0 0 1 1 2	0 0 0 0 0 1 1 2	3 0 0 0 0 0 1 1 2	4 0 0 0 0 0 0 1 1	4 0 0 0 0 0 1 1 2 1 3	10 0 0 0 0 0 2 3 6 3	13 0 0 0 0 1 89 0	8 0 0 0 5 25 0 0 38	3 0 0 0 0 2 1 12 3	0 0 0 0 0 3 12 45 46	0 0 0 0 2 12 8 75	0 0 0 0 1 19 2 65 43	0 9 0 0 2 24 24 94	0 12 0 0 0 2 26 0 63 7	0 1 0 0 0 1 20 2 40 2	0 0 0 0 1 17 14 7	0 0 0 1 2 3 3 2	0 0 0 0 0 2 1 3 2	0 0 0 0 0 1 1 3 2	0000001122	0 0 0 0 0 1 1 2 2	2 1 0 0 0 1 11 4 18 7
21 22 23 24 25 26 27 28 29	1 0 0 0 0 0 0 0 0	0000000000	000000000	0000000000	000000000	0000000000	000000000	1 0 1 0 0 0 1	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0	10 0 0 0 0 0 0 19	4 0 0 0 0 0 12 0 0 0 30	5 0 0 0 6 0 5 3	23 0 0 0 0 0 0 0	4 0 0 0 0 0 0	0 0 0 0 0 0 3	2000020005	0 0 0 0 0 0 1	0 0 0 0 0 0	3 0 0 0 0 0	2 0 0 0 0 0 0 0 1	0 0 0 0 0 0 1	0 0 0 0 0 0 0 0 2	0 0 0 0 0 0 0 1	300000000000000000000000000000000000000
MEAN	0	0	0	0	0	0	0	1	1	5	5	3	7	5	5	5	4	3	2	1	1	0	0	0	2.0

PERCENTAGE OF DATA VALID - 99.2 PERCENTAGE OF DATA INVALID - 0.8

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. *-* INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

	, 02			CL HU		4101																20.			
	STA	TION	1.	NO 7	7013	н	ANMER	SUDBL	JRY	AIRSHE	D					MONT	H - N	AY	77						
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 M	EAN
1 2 3 4 5 6 7 8 9	000000000000000000000000000000000000000	000000000	000000000000000000000000000000000000000	000000000	000000000000000000000000000000000000000	N 0 0 0 0 0 0 0 0	900000000000000000000000000000000000000	100000000000000000000000000000000000000	100200000	1 0 0 1 6 0 0 0	1 0 0 48 2 0 0 0	000000000000000000000000000000000000000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	15 0 0 17 0 0 0	27 0 0 38 2 0 0	2 0 0 29 3 0 0	1 0 0 36 1 0 0	0 0 0 0 0 0 0 0 0 0 0 0	0 1 2 0 0 0 0 0 0 0	1 0 3 0 2 0 0 0	1 0 2 1 0 0 0 0 0 0	1 0 1 1 0 0 0	0 0 1 1 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0	3 0 10 1 0 0 0 0
11 12 13 14 15 16 17 18 19	0 0 0 0 0 0 0	000000000	00000000	0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	000000000	000300000	200000000000000000000000000000000000000	100000000	0 0 0 3 0 0 3 4	000000000000000000000000000000000000000	0 0 0 0 0 2 3	0000400026	0 0 0 0 0 0 0 2	00000000	000000000	0000000000	00000000	0 0 0 0 0 0 0 22	0000000000	0000000000	000000000	0 0 0 0 0 0 0 1	000000000	0000100003
21 22 23 24 25 26 27 28 29 30	1 0 0 0 0 0 0 0	0 1 0 0 0 0 0 0 0	000000000	000000000	0000000000	000000000	0240000000	0 1 3 3 0 8 1 0	2530020002	4 11 0 0 0 1 0 0	27 28 0 0 0 0 0	54 65 0 0 0 0	18 31 0 0 0 0	330000000	0 62 0 0 0 0 0	1 56 0 0 0 0 0	2 25 0 0 0 0 0 0	4 19 2 0 0 0 0 0	1 26 2 0 0 0 0 2 0 0	0 9 3 0 0 0 1 0 0 0	0 1 5 0 0 0 3 0	0430003000	0 2 0 0 0 0 0 0 0	0 2 0 0 0 0 0 0 0 0	5 16 1 0 0 0 1 0 0 2
31	0	0	0	0	0	0	1	2	0	28	8	1	0	0	0	0	0	0	0	0	0	0	0	2	2
MEAN	0	0	0	0	0	0	1	1	- 1	2	4	4	2	2	4	3	3	3	2	1	0	0	0	0	1.4

PERCENTAGE OF DATA VALID - 99.9

PERCENTAGE OF DATA INVALID - 0.1

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. "***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	PO	LLUTANT	- 5	ULPH	UR DI	OXIDE								UNITS	- 0.0	01 PAI	RTS/M	ILLIO	N							
	ST	ATION -	NE	NO	77013		HANMER	SUD	BURY	AIRSH	ED					MON	тн - ,	JUN	77							
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1 2 3 4 5 6 7 8 9	2000000000	0000000000	0000040000	0000040000	000000000	000000000	000000000	00000000	200020009	0 0 1	0000	3 0 0 0 0 0	3 0 0 0 0 0	0 0 0 0 0 1	000000000000000000000000000000000000000	3 0 0 0 0 0 0 0 0	4000000007	000000000000000000000000000000000000000	0000000000	000000000	000000000	0000000000	000000010	000000011	200000000000000000000000000000000000000	
11 12 13 14 15 16 17 18 19	0000	0	0 0 0	1 0 0 0	0 0 0	000	0 0 1	3 0 0 0	000	0 0 0	••••		DATA DATA DATA DATA	O O O O O O O O O O O O O O O O O O O	10 + 10 - 10 -		0	••••		••••						
21 22 23 24 25 26 27 28 29 30		: o				:::: o		0	<u>.</u>		3 0 0		DATA DATA DATA DATA OATA DATA	INVAL INVAL INVAL INVAL INVAL INVAL INVAL 11 0 2	ID - ID - ID - ID -	31 0 11	6 0 0	1 0 0	0 0	0	0	1 0 0	2 0 0	3 0 2		
MEAN	0	0	0	0	0	0	0	1	t	0	0	1	0	2	3	3	1	0	٥	0	0	0	0	0	0.6	

PERCENTAGE OF DATA VALID - 51.9 PERCENTAGE OF DATA INVALID - 48.1

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. "." INDICATES DATA IS UNAVAILABLE
- 3. ***** INDICATES LEJS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

	POLL	UIANI	2	ULPHU	4 0103	CIDE.										6101 011490									
	STAT	ION -	NE	NO 7	7013	H	ANMER	SUDE	BURY	AIRSHE	D					MONT	H - 1	IUL	77						
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 ME	
1 2 3 4 5 6 7 8 9	1 0 0 0 0 0 0 0 0 0	000000000	000000000	0 0 0 0 0 0 0 0	000000000	000000001	0000000000	003000000	0 0 0 0 20 6 0	0 0 4 0 0 0 0 5	0 5 0 0 0 23 0	1 0 3 0 0 0 3 3 0 0	0 0 4 0 0 0 0 23 0 0 0	0 0 0 0 13 0 0 0	0010000006	0 0 0 0 0 0 0 11	0000003006	0 0 0 0 0 0 9 0 0 2	004000000	0000000000	0000000000	000003000	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 1 0 0 1 6 0 0
11 12 13 14 15 16 17 18 19 20	0000000000	0000000000	0 0 0 0 0 1 0 0 0	0 0 0 0 1 0 0 0	0 0 0 0 1 1 0 0 0	0 1 0 0 0 2 1 0 0 1	0 0 0 1 2 1 1 0 2	0 0 1 0 1 4 0 5 0 0	1 2 0 6 0 15 0	0 0 0 4 0 1 0 0	0 0 0 3 0 4 0 2 0 0	000000000000000000000000000000000000000	0 0 0 0 19 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 1 0 5 0 0 0 0	0 3 0 0 0 0 0 0 0	0 9 0 12 0 0 0	0 0 0 0 0 0 0	0 5 0 0 0 0 0 1 0	0 5 0 0 0 0 0 1 0	0 3 0 0 0 0 0 0 0 0	0 1 0 2 1 0 0 0	0 2 0 0 0 0 0 0 0	0000000000	0 1 0 1 0 2 1 0
21 22 23 24 25 26 27 28 29 30	000000000	0 0 0 0 0 0 1 0 0	000000000	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0000000000	0000000000	0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0000005500	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 30 6 0	0 0 0 1 3 4 0	0 0 0 0 14 5 0	0 0 0 1 0 0 6 4 0	000000000000000000000000000000000000000	000000000000000000000000000000000000000	000000000000000000000000000000000000000	0 0 0 0 0 1 1 0	000000100	000000000000000000000000000000000000000	000000000	0000000000	0 0 0 0 0 0 0	0 0 0 0 0 4 1 0
31 MEAN	0	9	0	0	0	0	0	0	0	1	1	16	2	1	1	1	1	1	0	0	0	1	0	0	0.8

PERCENTAGE OF DATA VALID - 99.7 PERCENTAGE OF DATA INVALID - 0.3 PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. ****** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POLL	UTANT	- 5	ULPH	HUR DIOX	IDE							L	NITS	- 0.0	1 PAR	TS/MI	LLION	l						
	STAT	ION -	NE	NO	77013		HANMER	SUDBU	RY	AIRSHE	D					MONT	н - д	UG	77						
HOUR	1	2	3	4	5	6	7	В	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 N	EAN
1 2 3 4 5 6 7 8 9	0 0 0 0 0 1 0 0 2	0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 2 0 0 2	000003002	000000000000000000000000000000000000000	0000000000	000000000000000000000000000000000000000	1 1 0 0 0 0 0 0 0 0 0	1 0 0 0 0 2 0 1 0 3	0 * 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 1 3 0 0	0 0 13 0 0 0	0 38 0 0 0 0	0 32 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 8 0 0 0 11 0 0 0	000000000	000500000	000000000000000000000000000000000000000	000000070	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0	0 0 5 0 0 0 2 0 1 2
11 12 13 14 15 16 17 18 19 20	0000000000	0 0 0 0 0 0 0	0 0 3 0 0 0 0 0 0	000000000000000000000000000000000000000	0 0 0 0	0040000000	0000000	000000000	0000000000	16	0000+60000	0000000000	0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 3 0 0 0 0 0 0	0 17 0 0 0 0 0 0 0 0	0 16 0 0 0 0 0 0 0	0 7 0 0 0 0 0 0 0	050000000	00000000	000000000	0000000000	0000000000	0 1 0 0 0 0
21 22 23 24 25 26 27 28 29 30	0 2 0 0 0 0 0 0 0	000000000	0000000000	000000000000000000000000000000000000000	0 0 0 0 0 0	000000000000000000000000000000000000000	000000000	000000000	000010000	0 0 0 0 0	0 0 0 0 14 1 0 0 0	0 0 0 0 3 2 0 0	0000000000	0000040007	000000000000000000000000000000000000000	000009060	0 0 0 0 26 0 7 0	0000080000	0 0 0 0 0 0 0 0 0 0	000000000	0100000000	000000000	00000000	00000000	0 0 0 4 0 1 0 2
31	0	0	0	0	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0	0	3	2	3	0	0
MEAN	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	2	3	1	1	0	0	0	0	0	0.7

PERCENTAGE OF DATA VALID - 99.6 PERCENTAGE OF DATA INVALID - 0.4

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEJS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

	STA	LION	N.E	NO 7	7013	Н	ANMER	SUDB	URY A	IRSHE	D					MONT	H - 5	EP	77						
HOUR	1	2	٤	4	5	6	7	В	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 M	EAN
1 2 3 4 5 6 7 8 9	0 0 0 0 1 0 0 0	1 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 1 0 0	2 0 0 0 1 0 1 0 0	0000	0 0 0 0 1 0 0 0 0	0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0	0 0 0 0 0 54 12 0	0 0 0 0 0 0 0 26	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 4 0	0 0 0 1 0 0 0	0 0 0 0 0 4 0 10 0	0000004000	000000000	0 0 0 4 0 0 3 0 0 0	0 0 1 3 0 0 7 0	0315002000	0 0 1 3 0 0 2 0 0 0	001200000	0 0 2 2 0 0 0	0 0 1 4 0 0 1 0 0 0	0 0 0 1 4 2 0
11 12 13 14 15 16 17 18 19	000000000	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0	00000000	000000000	000000000	000000000	000000000	000000000	000000000	000000000	0000300000	0 0 0 0 0 0 0 0 0	000000000	28 0000	0 0 0 73 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0	00000000	0000000000	000000000	0000
21 22 23 24 25 26 27 28 29 30	0000000000	000000000	0 0 1 0 0 0 0	002000000000000000000000000000000000000	0 0 0 0 0 1 0	000000000	00000000	00000000	0 0 0 0 0 0 0 0	0000000000	0 0 0 0 0 0 0 0	0000000000	0 0 0 0 0 0 1 0	0 0 0 0 0 16 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	000000000	000000000	000000000	000000000	000000000	000000000	00000000	000000000	000000000	0 0 0 0 0 0 1 0
MEAN	0	0	0	0	0	0	0	0	0	2	1	0	0	2	2	3	1	1	0	0	0	0	0	0	0.6

PERCENTAGE OF DATA VALID -100.0 PERCENTAGE OF DATA INVALID - 0.0 PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1, ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. "***** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POL	LUTANT	- 5	ULPH	UR DIOX	KIDE	E						,	JNITS	- 0.0	O1 PA	RTS/M	LLION	N							
	STA	TION -	NE	NO	77013		HANMER	SUDBI	JRY	AIRSH	ED					MON	тн - (OCT	77							
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAR	ų
1 2 3 4 5 6 7 8 9	000000000	000000000000000000000000000000000000000	0 0 0 0 0 0 0 0 0	000000000000000000000000000000000000000	0 0 0 0 0 0 0 1 0	0000000000	000000000	00000000	0 0 0 0 0 0 0 4 0	000000000000000000000000000000000000000	0 0 0 0 0 0 0 0 0	0000+00000	0000000000	000000000	0000000000	000000000	0 0 0 0 0 0 0 4	000000003	00000000	000000000	000000000	0 0 0 0 0 0 0 0	0000000000	000000000		000000000
11 12 13 14 15 16 17 18 19	030000300	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 1 0 0 0 0 1 0 0 0	0 6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 3 0 0 0 0 0 0 0 0 0 0	0000000000	000000000	000000000	000000000	00000000	0 0 0 0 0 0	0000000000	0 0 0 0 0 0 0 0 0	0 0 4 13 0 0 0 3	13 0 0 0 0	0 18 12 0 0 0	0 0 25 16 0 0 1	0 0 33 3 0 0 0 0 0 0	0 36 0 0 0 28 0 0	0 0 11 0 0 0 27 0	0 0 2 0 0 0 5 0 0 0	0 0 2 0 0 0 14 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0 0		0 6 3 0 0 4 0 0
21 22 23 24 25 26 27 28 29 30	0000000000	000000000	00000000	0 0 0 0 0 0 0 0 0	000000000000000000000000000000000000000	000000000	000000000	0000000000	0 0 0 0 0 1 0 0 0	0 0 1 0 0 0 2 0 2 0	0 0 36 3 0 5 0	0 0 1 5 7 0 2 0 6 15	0 0 1 5 0 0 0 32 41	0 0 2 8 6 0 0 0 1 4 0	0003400030	0 0 20 5 3 0 0 0 4 0	54	0 19 0 3 0 0 6 0	0 0 1 0 0 0 4 0	0 0 1 0 0 0 4 0	0010200020	0 0 0 0 5 0 0 0 1 0	0 0 0 0 3 0 0 0 1 0	0000000000		0062200042
31 MEAN	0	8	0	0	0	0	0	0	0	0	2	0	3	2	0	2	4	2	0	1	0	1	0	0	,	1

PERCENTAGE OF DATA VALID - 99.7 PERCENTAGE OF DATA INVALID - 0.3

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. "***** INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT . AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE UNITS - 0.01 PARTS/MILLION

	STATION - NE NO 7701					н	ANMER	SUD	BURY	AIRSH	ED					MON	TH - M	VOV	77						
HOUR DAY	1	2	3	4	5	6	7	в	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 M	EAN
1 2 3 4 5 6 7 8 9	0 0 0 0 0 0 19 24 0	0000000000116	00000055	0000000	000000000000000000000000000000000000000	000000000000000000000000000000000000000	000000000000000000000000000000000000000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	000000000000000000000000000000000000000	000000000000000000000000000000000000000	0 0 0 0 0 1 0 6 29 7	000000000000000000000000000000000000000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 1 24 1 0	0 0 0 0 0 0 0 18 23	000000000000000000000000000000000000000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0000000000	000000940	0 0 0 0 0 13 0 0	000000000000000000000000000000000000000	00000004000	00000585
12 13 14 15 16 17 18 19	0 0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0	000000	000000000	00000000	00000000	34	00000005	0000000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 15	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 8	0 0 0 5 0 0	0 0 0 3 0 0 0	0 0 0 2 1 0 0 6	000000000000000000000000000000000000000	0 0 0 0 0 0 0	0 0 0 0 0 0	000500010	000600000	000000	000000000	0 0 1 1 0 0 0 8
21 22 23 24 25 26 27 28 29 30	0000000041	0 0 0 0 0 0 0 3 1	0 0 0 0 0 0 3 1	0 0 0 0 0 0 0 3 1	000000000000000000000000000000000000000	100000000000000000000000000000000000000	0 0 1 0 0 0 0 0 3 2	0 0 5 0 0 0 0 1 2	003000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	000000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0060000100	000000500	0 4 0 0 0 0 1 7	0 3 0 0 0 0 15 10 0	0 0 0 0 8 11 0 5	000000000000000000000000000000000000000	000003500	0 0 0 0 1 6 0 0	000000500	000000600	000000000000000000000000000000000000000	0000000400	0 0 1 0 0 1 4 1 4
MEAN	2	1	1	1	1	0	0	2	0	1	2	3	3	1	2	3	3	1	1	O	1	1	1	1	1.3

PERCENTAGE OF DATA VALID - 99.4 PERCENTAGE OF DATA INVALID - 0.6 PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

POLLUTANT - SULPHUR DIOXIDE UNITS - 0.01 PARTS/MILLION HANMER SUDBURY AIRSHED STATION - NE NO 77013 MONTH - DEC 77 24 MEAN 0 0 0 0 0 0 0 51 0 0 0 0 0 0 0 0 13 000000000 3 4 5 6 7 8 9 -0000000 0 0 12 13 14 15 16 17 18 19 20 28 0 3 0 0 0 0 0 20002-0000 22 23 24 25 26 27 28 29 30 10 0 2 0 0 0 5 1 0 0 2 0 1 1.0 MEAN

PERCENTAGE OF DATA VALID - 99.9 PERCENTAGE OF DATA INVALID - 0.1 PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE
 - 2. "." INDICATES DATA IS UNAVAILABLE
 - 3. ****** INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTAR; O MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY END 2 HOURLY DATA FOR 1977

POLLUTANT - SULPHUR DIDXIDE

UNITS - 0.01 PARTS/MILLION

STATION	ME	NO 77013	HANMER	SUDBURY	AIRSHED	

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
3(*)	27	1.9	5	20
FEB	28	1.6	3	13
MAR	31	0.6	5	56
APR	30	2.0	18	94
MAY	31	1.4	16	65
JUN	14	0.6	2	31
JUL	31	0.8	6	33
AUG	31	0.7	5	38
SEP	30	0.6	8	73
OCT	31	1.0	6	54
NOV	30	1.3	8	49
DEC	31	1.0	9	51
YEAR	345	1,1	18	94

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1977

POLLUTANT - SUI	PHUR D	IOXIDE					UNITS - 0.	O1 PARTS/MILLIO	N .
STATION - NE	NO 770	13	HANMER	SUDBURY	AIRSHED				
MONTH OO	TO 04	05 TO	10 11	TO 14 1	5 TO 25	26 TO 39	40 SOVER	TOTAL	
JAN	640		27	2	3	0	0	672	
FEB	657		11	3	0	0	0	671	
MAR	714		13	4	9	1	1	742	
APR	661		18	9	13	3	10	714	
MAY	706		11	2	8	10	6	743	
JUN	361		7	4	1	,	0	374	
JUL	705		20	7	8	2	0	742	
AUG	707		21	3	7	3	0	741	
SEP	705		5	1	3	4	2	720	
OCT	703		17	7	7	6	2	742	
NOV	661		25	6	18	4	2	716	
DEC	709		22	6	3	2	3	743	
YEAR	7929	1	97	54	78	36	26	8320	

														5147 07	0.17	A. P. ANT	a restriction to	LLION	•						
	STA	TION -	NE	No 2	7014	R	AYSID	E SUD	BURY	ATRSH	4ED					MON	тн = ,	JAN	77						
HOUR DAY	1	2	3	4	5	6	7	8	9	10	t1	12	13	14	15	16	17	18	19	20	21	22	23	24 1	ΛΕΔΝ
1 2 3 4 5 6 7 8 9	0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 1 0 1 0 0	0 0 0 0 0 0 1 0 0	0 0 0 1 0 0 1	0 0 0 1 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 1 0 0 0 0	0 1 0 0 0 0 0 1 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 1 0 0 1 0 0	0 0 0 0 0 0 0	0 0 1 0 0 1 0 0	0 0 2 0 0 0 1 0 3	0 0 0 0 0 1 9 2	000000052	0 0 0 0 0 0 0 6 1	0 0 0 0 1 6 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 1 0 1 0	0 0 0 0 1 0 2 0	0 1 0 0 0 0 0 0 0	0 0 3 0 1 0 0 0 0	0 0 0 0 0 1 1 0 0
11 12 13 14 15 16 17 18 19 20	0 0 1 0 6 0 0 1 0 0	0 0 2 0 6 0 0 2 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 1 0 0	0 0 3 1 0 0 0	0 0 0 0 0 0 0	0 0 1 0 0 0 0 0 0	0 1 2 0 0 0 0 0 0 1 0	000000000	000000000	000000000	0 0 18 0 0 0 0 0 0	000000000	000000000	0000000000	00300000	003000000	004000000	005000000	2060001000	1 0 3 0 0 0 0 0	0 0 0 0 0 0 0	0 0 3 1 1 0 0 0 0
21 22 23 24 25 26 27 28 29 30	000000000	0 0 0 0 0 0 0 0	0000000000	0 0 0 0 0 0 0	000000000	000000000	000000000	000000000000000000000000000000000000000	0 0 0 0 0 0 0 0	000000000	0 0 0 0 0 0 0 0	0000030200	0 0 0 0 1 0 4 0 0	0 0 0 0 1 0 5 0 0	0 0 0 0 1 0 4 0 0	0 0 1 0 0 0 4 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 8 3 0 0 0 0 0 0	0 0 9 4 0 0 0 0 0 0	0086000000	0 0 7 6 0 0 0 0 0	0004000000	000300000	000000000	0 0 2 1 0 0 0 1 0 0
31 MEAN	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	1	0	0	0	0	1	0	0.4

PERCENTAGE OF DATA VALID -100.0 PERCENTAGE OF DATA INVALID - 0.0 PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. "****" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
 - 3. "***** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POL	LUTANT	- 5	ULPH	UR DIC	XIDE							ı	JNIIS	- 0.0	DI PAI	RTS/M	LLIO	v						
	STAT	TION -	NE	NO	77014	9	RAYSIDE	SUC	BURY	AIRSH	ED					MON	гн - 1	EB	77						
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 M	EAN
1 2 3 4 5 6 7 8 9	000000000000000000000000000000000000000	0000000000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 1 0	000000000000000000000000000000000000000	00000000000	000000000000000000000000000000000000000	000000000000000000000000000000000000000	0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0	0 0 0 0 0 1 0 2 1	000000003	0 0 0 0 0 0 0 0 2 1	00000000	0 0 0 0 0 0 1 4	000000015	0 0 0 0 0 0 0 1 0	0 0 0 0 0 0 0 1 2	000000000	0 0 0 0 0 0 0 0 3	0 0 0 0 0 0 1 4	0 0 0 0 0 0 1 2	0 0 0 0 0 0 0 2 1
11 12 13 14 15 16 17 18 19	00000700	5000000500	2000001500	3 0 0 0 0 0 4 0	7 0 14 0 0 0 0 1 0 0 0	4 0 29 0 0 0 0 0 0 0	2 0 27 0 0 0 1 0 0 1	2 0 16 0 0 0 0 0 0	0 0 0 0 0 0 0	20000	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	2 0 0 0 0 0 0 0 0	1 0 0 0 0 1 0 0 0	1 0 4 0 0 0 0 0 0	0 3 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0	1 0 0 0 0 0 0 0 0	1 0 0 0 0 0 1 0 0 0	000000000	0000000000	000.000.000	000000-000	000000000000000000000000000000000000000	2 0 5 0 0 0
21 22 23 24 25 26 27 28	000000	0 0 0 0 0 0 0	0000000	0 0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0 0	0020000	00450000	0 3 16 0 0	0 2 7 0 0 0	0 0 1 1 0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 1 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0	0000000	0000000	0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 1 1 0 0 0 0 0
MEAN	0	0	0	0	Ť	1.	10	1	1	1	0	0	0	D	0	0	0	0	0		0				

PERCENTAGE OF DATA VALID - 99.4 PERCENTAGE OF DATA INVALID - 0.4 PERCENTAGE OF DATA UNAVAILABLE - 0.1

- 2. *-" INDICATES DATA IS UNAVAILABLE
- 3. "***** INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

														1141 115	0.71	Ji PAI	1 3/ M	LLLIUN	v						
	STA	NOIT	* N'.	NO	77014	R	AYSID	E SUD	BURY	AIRSH	HED					MON'	rH - 1	MAR	77						
HOUR	Ŧ	2	3	4	5	6	7	В	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1 2 3 4 5 6 7 8 9	0000000000	000000000000000000000000000000000000000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 1 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 1 0	0 0 0 0 0 0 0 1 0	0 0 0 0 0 0 0 1 0	0 0 0 0 0 0 0 0 2 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	000000000000000000000000000000000000000	000000000	000000000	0 0 1 0 0 0 0 0 0 0	0 0 10 0 0 0 0 0	0 0 13 0 0 0 0	006000000	004000000	000000000	006000000	002000000	005000000	0 0 4 0 0 0 0 0 0	0 0 0 0 0 0	0 0 3 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
11 12 13 14 15 16 17 18 19 20	11000000000	1 12 0 0 0 0 0 0 1 0 0	700000000000000000000000000000000000000	7 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 4 0 0 0 0 0 0 0	2300100500	3 0 0 1 0 0 2 0 0	2 3 0 0 1 0 0 1 0 0	2 0 0 0 0 0 4	5 1 0 2 0 0 0 0 3	11 1 3 0 2 0 0 0	13 1 0 0 0 0 0 0 0 4	14 00000000000000	11 000000000000000000000000000000000000	35 0 0 0 0 0 0 0 0	17	14 0 0 0 0 0 0 0 0 0 0 0 0	31 0 0 0 0 0 0	29 0 0 0 0 0 1 4 4 0 1	19 0 0 0 0 17 2 0 0	27 0 0 0 0 0 14 0 0	23 0 0 0 1 0 5 0 0	16 0 0 0 1 0 0 0 0 0	11 0 0 0 0 1 0 0 0 0 0	12 2 0 0 1 0 2 1
21 22 23 24 25 26 27 28 29 30	0 0 0 0 1 2 0 0	0 0 0 0 0 2 1 0 2	0 0 0 0 1 1 0 0	0 0 0 0 0 4 1 0 0	0 0 0 0 1 1 0 0	0 0 0 0 0 1 2 0 0	0 0 0 0 0 2 1 0 0	00000000	0 0 2 0 0 0 0 2 0	0020002030	0 0 5 0 0 0 1 3 0 0	0 6 0 0 8 1 3 0 7	0 0 5 0 0 7 4 3 2 3	0 0 2 0 0 4 4 2 2 0	0000050000	000000000	20000	0000090000	0 0 0 0 0 0 0 0 0	000000000	200000000	30000000	4 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 1 0 0 3 1 1 0 1
31 MEAN	0	1	0	1	0	0	0	0	0	0	0	0	0	0	2	0	2	0	0	0	0	0	0	0	1.0

PERCENTAGE OF DATA VALID -100.0 PERCENTAGE OF DATA INVALID - 0.0 PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. "***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "." INDICATES DATA IS UNAVAILABLE
- 3. "***** INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POL	LUTANT	- S	ULPH	UR DIOX	IDE							3	JNITS	- 0.0	DI PAR	RTS/MI	LLION	4						
	STA	TION -	NE	NO	77014		RAYSIDE	SUDB	URY	AIRSH	ED					MONT	н - д	PR	77						
HOUR DAY	1	2	3	4	5	6	7	В	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1 2 3 4 5 6 7 8 9	000000000	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	000000000	000000000000000000000000000000000000000	000001000	0 0 0 20 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0	5005300000	6 0 0 6 0 0 4 0 0 10	5 11 0 12 0 0 2 0 0 5	0 0 3 0 0 1 0 0 0	1 0 0 13 0 0 1 0	1 13 0 10 0 0 2 0	1 0 0 0 0 0 1 0 0 0	300000000	1 3 0 2 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 20 00 00 00 00	0000000006	0000000000	0000040000	200000000	0 0 0 0 1 0 0 1	1 1 0 4 0 0 0 1
11 12 13 14 15 16 17 18 19	1 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0	0000000000	0 0 0 0 0 0 0 0 0 0	0000000000	000000000000000000000000000000000000000	0 0 0 0 0 0 1 0 0 3	0 0 0 0 1 1 0 1 4	0 0 0 0 1 1 0 12 4	0 0 0 0 0 4 0 0 16 1	33 0 6 0	0 0 0 0 0 0 131 0 1 0	90000	0 0 0 0 0 0 0 0 0	060000000	00000000	000000000	0 0 0 0 0 0 0 0	00000000	000000000	000000000	000000000	000000000	0 0 0 0 0 0 11 0 2 1
21 22 23 24 25 26 27 28 29 30	000000000	0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0000000000	000000000	0000000000	0 0 0 0 0 0 0 0 0	000000000	0000000000	000000000	00000000	000000000	000000000	000000000	000000000	0 0 0 0 0 0 0 0	000000000	000000000	000000000000000000000000000000000000000	000000000	0000000000	000000000	0000000000	0 0 0 0 0 0 0 0 0	000000000
MEAN	0	0	0	0	0	0	1	1	.1	1	2	1	5	4	0	0	0	0	0	0	0	0	0	0	0.8

PERCENTAGE OF DATA VALID - 100.0 PERCENTAGE OF DATA INVALID - 0.0

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

													-						•						
	STA	TION -	NE	NO 7	7014	R	AYSID	E SUD	BURY	AIRSH	ED					MON	гн - м	MAY	77						
HOUR DAY	1	2	3	4	5	6	7	8	9	10	1.1	12	13	14	15	16	17	18	19	20	21	22	23	24 1	MEAN
1 2 3 4 5 6 7 8 9	000000000	000000000	000000000	000000000000000000000000000000000000000	000000000	0000000000	000000000	000000000	000000000	0000000000	000000000000000000000000000000000000000	000000000	0000000000	000000000000000000000000000000000000000	000000000	0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	000000000000000000000000000000000000000	0 0 0 0 0 0 0 0 0	000000000	000000000	000000000	000000000	000000000	0 0 0 0 0 0 0
11 12 13 14 15 16 17 18 19	0 0 0 0 0 0 0 1 0	0 0 0 1 0 0 1 1 0	0 0 0 0 0 0 1 1	000000000	000000000	000000000	0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 1	000000004	000000004	000000008	00000000	000000000	000000000	000000000	000000000	000000000	000000000	000000000	0000000000	00000001	000000000000000000000000000000000000000	0 0 0 0 1 1 0 0	0 0 0 0 0 1
21 22 23 24 25 26 27 28 29	1 1 0 0 0 0 0 0 0 0	0 1 0 0 0 0 1 0 0	0 0 0 0 0 1 1 0 1	1 1 0 0 0 0 0 0 1 0 1	0 0 0 0 0 0 0 0	0 1 1 0 0 0 0 0 0 0 0	000000000	0 0 0 0 0 0 0 0	1 0 0 0 0 0 0 0 0 0	0000000000	000000000	0000000000	000000000	000000000	0 0 0 0 0 0 0 13	0 0 0 0 0 0 0 14	0 0 0 0 1 0 0 2 9	000000003	000004000	000000000000000000000000000000000000000	000000000	0000000000	000001	1 2 0 0 0 0 0 0 1	0 0 0 0 0 1 0 0 2
31 MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	0	0	0	3	0	0	0	0.3

PERCENTAGE OF DATA VALID -100.0 PERCENTAGE OF DATA INVALID - 0.0 PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. *- * INDICATES DATA IS UNAVAILABLE
 - 3. ******* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POL	LUTANT	- S	ULPHU	JR DIO	XIDE							t	INITS	- 0.0	1 PAF	RTS/M	LLION	4						
	STA	TION -	NE	NO 7	77014	F	AYSIDE	SUD	BURY	AIRSE	IED					MONT	тн	JUN	77						
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 N	EAN
1 2 3 4 5 6 7 8 9	4000000000	0 0 0 0 0 0 0 0 0	000012000	0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0	000000000000000000000000000000000000000	00000000	000000000	0 0 0 0 0 0 10	0 0 0 0 0 0 0 13	000000006	0 0 0 0 0 0 0 4	0000000004	2000000003	0 0 0 0 0 0 0 1	00000000	000000000	00000000	00000000	00000000	000000000	0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 2
11 12 13 14 15 16 17 18 19	2 10 1 2 3 2 2 0	2 1 1 1 0 0 3 1 1 0 0	1 1 1 1 0 2 2 3 1	2 0 1 1 0 2 2 3 1 0	1 0 1 1 0 2 1 2 1 0	1 0 1 1 0 2 2 2 1 0	1 0 1 0 2 2 1 2 1 0	2 0 2 0 1 2 1 2 1 0	2 0 1 1 2 1 1 1 1 0	2 0 1 2 1 0 1 2 1 0	2 0 1 2 1 0 1 2 1 0	2 0 1 0 1 2 1 0	3 0 1 0 2 0 0	1 1 2 3 0 1 0 1	1 0 1 2 1 1 0 0 0	1 1 2 2 0 1 0 0	1 0 5 0 1 1 0 0 0	1 1 1 1 0 2 2 0 1 0	1 10 0 2 3 0 1 0 0	1 1 4 1 5 0 1 0 0	1 1 2 0 2 4 0 1 0 0	1 2 2 0 2 3 0	1 1 0 2 2 1 1 0 0	1 2 0 0 3 2 2 1 0	1 1 2 1 1 2 1 2 1 2
21 22 23 24 25 26 27 28 29	0 0 0 0 0 3 0 3 2 0	0 0 0 0 0 2 2 2 1 0	0 0 0 0 2 0 2 1 0	0 0 0 3 2 2 1 1 1	0 0 0 0 0 3 1 2 2 1 1	0 0 0 2 1 3 2 1 1	0 0 0 1 1 3 2 1 1	0 0 0 1 1 1 6 1 1	0 0 0 1 1 1 4 1 1	0 0 0 1 1 1 1 1 2	0 0 0 1 1 1 2 1 1	0 0 0 1 1 1 2 1 0	0 0 0 2 1 2 2 1 1	0 0 0 0 1 1 0 1 1	0 0 0 1 1 1 1 1 1	0 0 0 1 1 1 1 1 1 2	0 0 0 1 1 1 1 1 4	0 0 0 0 1 1 2 1 5	0 0 0 0 1 1 2 1 5	0 0 0 2 1 1 3	0 0 0 0 1 1 1 2 0 2	0 0 0 0 1 1 1 2 1 2	0 0 0 1 2 1 2 1 3	0 0 0 1 2 1 2 1	0 0 0 0 1 1 1 2 1 2
MEAN	1	1	1	Έ	1,	1	1	1	1	1	1	1	1	1	1	1	1	1	,	1	1	1	1	1	0.8

PERCENTAGE OF DATA VALID - 99.9 PERCENTAGE OF DATA INVALID - 0.0

PERCENTAGE OF DATA UNAVAILABLE - 0.1

- 2. "-" INDICATES DATA IS UNAVAILABLE
 - 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

					86 80	1000								21113	. 0.1	UI PAR	4 12 \ M	LLION	N						
	STA	TION -	NE	NO	77014	F	RAYSIDE	SUD	BURY	AIRSH	ED					MONT	тн - х	JUL	77						
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 ME	AN
1 2 3 4 5 6 7 8 9	20000000	0000000	0 0 0 0 0 0 1	0 0 0 0 0 0 0	0 0 0 0 0	00000000	0 0 0 0 14 0 0	00000000	0 0 0 0 0 0 0	0000000	0 0 0	- DA	0 0 0 8 0 8 0	VAILA	BLE		6000.	0 0 0 1 0 0 .	0000600	0030201	0 0 0 0 0 1 .	002000	0 0 0 0 3 0 .	0	0 0 1 0 1 3 0 0
11 12 13 14 15 16 17 18 19	0 2 2 1 0 0 0 0	0 3 1 1 1 0 1 0 0	0 1 0 2 2 0 1 0	0 0 0 2 2 0 2 1	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	. 00000000	. 0 0 0 0 0 0 0	00000700	. 0600000	0 0 0 0 0 0 0	0000000	- DA	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	BLE 0 0 0 0 0 5 0 0	000000500	00000500	000000000	00000500	010000500	0-0000500	0 1 0 0 0 0 5 0 0	0 1 0 2 5 0 0	0 ***	0 1 0 0 0 0 3
21 22 23 24 25 26 27 28 29 30	011000000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 1 0 0	000000000000000000000000000000000000000	000000000	000000000	000000000	00000000	0 0 0 0 0 0 0	000000000	0 0 0 0 0 0 0	0000000000	000000000	000000000	0000000000	000000000	0000000000	00000000,4	00000000	0 0 0 0 0 0 0 19	000000000	0000000000	0000000400	1 0 0 0 0 1 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
31 MEAN	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

PERCENTAGE OF DATA VALID - 87.4 PERCENTAGE OF DATA INVALID - 0.1

PERCENTAGE OF DATA UNAVAILABLE - 12.5

NOTES 1. ****** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. . INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POL	LUTANT	. 5	ULPI	HUR DIOX	IDE	E .						ι	NITS	- 0.0	1 PAF	RTS/MI	LLIO	N						
	STA	TION -	NE	NO	77014		RAYSIDE	SUD	BURY	AIRSH	ED					MON1	гн - д	NUG	77						
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1 2 3 4 5 6 7 8 9	0 1 0 0 1 0 0 0 1 0	0 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 2 0 0 0 0 0 2	0 0 0 0 0 0 1 0 1	0 0 0 0 1 0 0 0 0	00000011	0 0 0 0 0 0 1 0 0 0	000000000	0 0 0 0 0 0 1 0	0 0 0 0 0 0 1 0	002000000	00000000	0000005000	000005000	0000000000	000000009	0000000004	0000000000	0000001000	0000000000	1000001020	100000000	0000011120	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 1
11 12 13 14 15 16 17 18 19	200000000000000000000000000000000000000	3 0 0 0 0 0	0 0 0 0 0 0 0 0 0	000000	0 0 0 0 1	0000001001	0 0 0 0 0 0 0 0 0	0000001000	0 0 0 0 0 0 0 1 0	0 0 0 0 1 2 1 0 1 1	0 0 0 0 1 1 1 0 1 1	0000010010	000000000000000000000000000000000000000	0 0 0 0 0 0	0 0 0 0 1 0 0 1 0	0000010000	0000010000	0000010010	0000080010	0 0 0 0 0 1 0 0 1 0	0000010000	0000010010	0 0 0 0 0 0 0 0 0	0 0 0 0 1 0 0 1 0	0 0 0 0 1 0 0 0 0
21 22 23 24 25 26 27 28 29 30	0 0 0 0 0 1 0 0 0	000000000000000000000000000000000000000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	300000000	4 0 0 0 0 0 1	400000N000	30000	4 0 0 0 0 1 1 0 0 0	2 0 0 0 0 1 1 0 0 0	2 0 0 0 0 2 1 0 0 2 2	1 0 0 0 0 2 1 0	1 0 0 0 0 2 1 0 0 0	1 0 0 0 1 1 0 0 1	1 0 0 0 1 1 0 0 4	1 0 0 0 0 1 0 0 0 3	1 0 0 0 0 1 1 0	0 0 0 0 1 0 0 0 3	0 0 0 0 0 2 1 0 0 17	000000000000000000000000000000000000000	0 0 0 0 0 0 0 0	0 0 0 0 1 1 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 0 0 0 0 1 3 0 0 0	1 0 0 0 0 0 0 0 0	000000000000000000000000000000000000000
31 MEAN	0 D	0	0	0	0	0	0	0	0	0	0	0	0	3	1 0	0	2 0	2 1	2	0	0	0	0	0	1 0.3

PERCENTAGE OF DATA VALID -100.0 PERCENTAGE OF DATA INVALID - 0.0

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. .. INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

	STA	TION	- NE	NO T	77014	F	AYSIDE	E SUD	BURY	AIRSH	ED					MON'	TH - 5	EP	77						
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 M	EAN
1 2 3 4 5 6 7 8 9	0000000000	0 0 0 0 1 1 0 0 4 0	0 0 0 0 3 1 0 0 0	0 0 0 0 2 2 0 0 2 0	0 0 0 0 1 7 0 0 1 0	0 0 0 0 1 2 0 0 1 0	0 0 0 0 1 0 0 0 1	0 0 0 0 0 0 0 1 0	0 1 0 0 0 1 0 2 0	0 2 0 2 0 0 1 0 2 0	0 2 0 0 0 0 7 0 2	0 2 0 2 0 0 7 0 2	0 2 0 0 0 0 1 0 1 0	0 2 0 0 1 0 4 28 1	0 15 0 0 1 0 2 60	0 49 0 0 1 0 3 4 1	0 36 0 0 1 0 2	0 26 0 0 1 0 3 0 0	0 19 0 0 1 0 2 0 0 0	0 9 0 1 0 2 2 0 0	0 6 0 0 1 0 0 2 0 0	0 2 0 0 0 0 0 0 0	0 2 0 1 0 0 0 0 0 0 0	0 2 0 1 0 0 0 0 0 0 0	0 7 0 0 1 0 1 4
11 12 13 14 15 16 17 18 19 20	000000000	000000000	***	0000000000	000000000	000000000	00000000	0000000000	000000000	000000000	000000000	0 0 0 0 0 1 0 2 0	000003020	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 1 0 0 0	0 0 0 0 0 0 0 0 0	0 0 0 0 0 1 0 0 0	0 0 0 0 0 0 0 0	0000000000	0 0 0 1 0 0	0000000000	0000000000	00000000	0 0 0 0 0 0 0 0
21 22 23 24 25 26 27 28 29 30	0000010000	0000000000	0 0 4 0 0 1 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 1 0	0 0 2 0 0 0 0 1 0	0 0 0 0 0 0 1 0	0 0 1 0 0 0 0 0 0	000000000	000000000	000000000	0000000000	0000000000	0 0 0 0 0 0 0 1 0	0 0 0 0 0 1 0	0 1 0 0 0 0 0 0 0 0	0000000000	0 2 0 0 0 0 0 1 0	0 2 0 0 0 0 0 1 0	0000000000	0000000000	0 0 0 0 0 1 0 0	0 0 0 0 0 0 1	0 0 0 0 0 0 0 1	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
MEAN	0	0	0	0	0	0	0	0	0	0	0	1	0	1	3	2	1	1	1	0	0	0	0	0	0.6

PERCENTAGE OF DATA VALID - 99.7 PERCENTAGE OF DATA INVALID - 0.3

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ******* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POLI	LUTANT	- S	ULPHI	UR DIO	(IDE								INITS	- 0.0	D1 PAF	RTS/MI	LLION	ı						
	STAT	TION -	NE	NO 1	77014		RAYSIDE	SUD	BURY	AIRS	HED					MONT	тн - с	CT	77						
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 M	EAN
1 2 3 4 5 6 7 8 9	100000000	0 0 0 0 0 0 0 0 0 0 0 0	100000000000000000000000000000000000000	0 0 0 0 0 0 1 0	1 0 0 0 0 0 0	000000000000000000000000000000000000000	1 0 0 0 0 0 0 0 1 0	1 1 0 0 0 0 0 0 0 1 0	000000000000000000000000000000000000000	1 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	000000000	000000000	100010000	1 0 0 0 0 0 0	0 0 0 1 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0	1000000000	0000000000	0000000000	0000000000	0000000000	0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0
11 12 13 14 15 16 17 18 19	100000000000000000000000000000000000000	1 0 0 1 0 0 0 2 0	0 0 0 1 0 0 0 2 0 0	0 0 0 0 0 0 0 0 0 0	0 0 1 1 0 0 2	2 0 0 1 1 0 0 2 0 0	1 0 0 1 0 0 0 3 0 0 0	1 0 0 1 0 0 0 9 0 0	1 0 6 0 0 0 10 0	1 0 0 4 0 0 0 9 0 0	0 0 0 0 0 0 0 25	2 0 0 1 0 0 9 1 0	1 0 3 0 0 0 19 0	2 0 13 0 0 0 0	0 0 19 0 0 0 0 21	0 0 16 0 0 0 0 23	0 0 12 0 0 0 0 23	0 18 0 0 0 4 1	0 0 0 0 0 0 0 0	0 0 0 0 0 0 1 0	000000000000000000000000000000000000000	000000000000000000000000000000000000000	1 0 0 0 0 0 0 0 0	0 1 1 0 0 0 0 1 0 0 0	1 0 3 1 0 0 0 8 0
21 22 23 24 25 26 27 28 29 30	000000000000000000000000000000000000000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 1 0 0 1 1	0 0 0 0 0 1 0 0 2	0 0 0 0 1 0 0 0 1	0 0 0 0 1 1	0 0 0 0 0 0 1 1	0 0 0 0 0 0 1 0 1 0	0 0 0 0 1 0 0 1 0	0 0 1 1 2 0 0 0 2 0	0022300050	0 0 3 5 2 0 1 0	0 33 0 3 0 0 0 4	0 0 39 1 2 0 0 0	0 0 2 0 0 0 0 0	0 0 0 0 0 0 0 0	000000000000000000000000000000000000000	0 0 0 0 0 6 0	000000000000000000000000000000000000000	0 0 0 1 0 0 0 1	0 0 0 1	0 0 0 0 1 0 0 0 1	0 0 0 0 0 0 0 0 0	1 0 0 0 1 0 0 0 1 0 0	0 0 3 1 1 0 0 0
31 MEAN	0	0	0	0	0	0	0	0	0	0	1	1	4	4	, 9 2	3	3	1	8	0	2	1	1	0	0.7
																				-					

PERCENTAGE OF DATA VALID - 99.7 PERCENTAGE OF DATA INVALID - 0.3 PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

															600	a c na	21 = e m								
	STA	TION	- NS	NO.	77014		RAYSIDE	SUD	BURY	AIRSH	HED					MON	гн - і	NOV	77						
DAY	1	2	3	4	5	6	7	В	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 ME	AN
1 2 3 4 5 6 7 8 9 10	1 3 0 0 0 0 0 0	4 1 0 0 0 0 0 0 0 0 0 0 0	4 1 0 0 0 0 0 0 0 0 0 0 0	2 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	7 1 1 0 0 0 0 0 1 0 0 0 0	7 1 1 0 0 0 0 0 0 0 0 0 0 0	5 1 0 0 0 0 0 1 0 0 0	4 1 1 0 0 0 1 0 0 2	1 2 1 0 0 0 0 0 0 0 0 0 0	1 1 0 0 0 5 0 0 0 0 0	3 2 1 0 6 0 1 0 0 0 0 0 0 0	414092.000 000	6 2 4 0 16 0 8 0 0 0 0	4 2 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0	3 3 1 0 12 1 7 0 0 0	4 2 2 0 13 1 14 0 0 0	2 2 1 0 1 1 2 2 2 0 0 0 0 0 0	1 1 0 0 2 1 0 0 0 0 0 0	1 3 1 0 0 3 0 0 0 0 0 0 0 0 0	1 2 1 0 0 3 2 0 0 0 0 0 0	1 2 1 0 0 3 2 0 0 0 0 0 0	1 2 1 0 0 2 6 0 0 0 0 0 0	1310020000	530000000000	3 2 1 0 4 1 3 0 0 0
14 15 16 17 18 19 20	30000	3 0 1 0 0 0 0	0 0 0	0 0 0 0 0	0 0 0 0 0	0 0 0 0 0	0 0 0 0 0	000000	0 0 0 0 0	0 0 0 0	0 0 0 0 0	00000	000000	0 0 0 0	0 2 0 0 0 0	0 0 0 0 0 0	000000	00000	00000	000000	00000	00000	0 0 0 0 0	0 0 0	0000000
21 22 23 24 25 26 27 28 29 30	001002000	0 0 0 0 0 0 0	000000000	0 0 0 0 0 0 0	0000000000	0 0 0 0 0 1 0	0 0 0 0 0 0 1 0	000000000000000000000000000000000000000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	000000000	000000000	0 0 0 0 0 0 10 0 3	0 0 0 0 0 7 0 0	0 4 0 0 0 0 0 9 0 1	0 0 0 0 0 6 0 0	0 0 1 0 1 0 12 4 0 5	0 0 0 0 55 4 0 8	0 0 0 0 0 47 3	0 0 0 0 11 3 0 0	0 0 0 0 0 10 2 0 2	0 0 0 0 0 0 0 0	0 1 0 0 0 0 6	0 1 0 6 0 0	0 0 0 0 6 2 0 1
MEAN	0	0	0	0	0	0	0	0	0	0	0	1	2	2	1	2	2	2	2	3	1	0	1	1	0.9

PERCENTAGE OF DATA VALID - 99.9 PERCENTAGE OF DATA INVALID - 0.1

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. ****** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. *-* INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POL	LUTAN	T - 5	ULPHI	UR DIO	XIDE)	UNITS	- 0.0	DI PAR	RTS/M	LLIO	N						
	STA	TION	- NE	NO '	77014		RAYSIDE	SUDB	URY	AIRSH	ED					MONT	rH - (EC	77						
HOUR DAY	,	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 1	MEAN
1 2 3 4 5 6 7 8 9	000000000	00000000	000000000	0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	000000000	000000000	0000000000	000000000	7 0 0 0 0 0	12 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	000000000000000000000000000000000000000	0 0 0 0 0 0 21	0 0 0 0 0 0 0 0 0 0	000000000000000000000000000000000000000	00000000000	000000000000000000000000000000000000000	0000000000	0000100100	0000400000	000030000	0 0 0 0 0 0 0 0	0000000000	000000000000000000000000000000000000000	1 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
11 12 13 14 15 16 17 18 19	0 1 0 12 0 1 0 0	0 6 0 5 0 2 0 0	0 5 0 3 0 0 0 0	0 3 0 3 0 5 0 0	0 3 0 4 0 4 0 0	0 3 0 2 0 2 0 0 3 3	000000000000000000000000000000000000000	0 0 0 0 0 0 0 0 0 0	0000000000	0 0 0 0 0 0 0 1	0 0 1 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0	3 3 0 0 0 0 0 0 0	0 0 4 3 0 0 0 0 0 0	0 0 13 4 0 0 0	0 7 4 0 0 0	061000000	0 14 1 0 0 0 0 0 0 0 0	000000000000000000000000000000000000000	0520000100	011000000000000000000000000000000000000	0 1 6 0 1 0 0 29 0	0 1 11 0 2 3 0 16 0 20	2 1 17 0 2 5 0 1	0 3 3 2 0 1 0 3 0 3
21 22 23 24 25 26 27 28 29 30	0 0 0 0 0 0 0	0 0 0 0 0 0 0	17	0 0 0 0 0 0 0 0	00000000	000000000	000000000	0 0 0 0 0 0 0 0 0	000000000	0000000000	000000000	000000000	000000000	000000000	0 0 0 0 0 0 0 0	000000000	000000000	000000000	000000000	000000000	0000000000	000000000	0000000000	000000000	N0000000000
31 MEAN	1	1	1	0	1	0		0	0	0	0	0	1	0	0	0 1	0	1	2 1	3 0	2	2	2	2 1	1 0.7

PERCENTAGE OF DATA VALID - 99.7 PERCENTAGE OF DATA INVALID - 0.3

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- .. INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1977

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - NE	NO 77014 RAYSIDE SUDBUR	Y AIRSHED		
MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	3.1	G - 4	3	18
FEB	28	0.4	5	29
MAR	31	1.0	12	35
APR	30	0.8	11	131
MAY	31	0.3	2	21
JUN	30	0.8	2	13
JUL	26	0.4	3	19
AUG	31	0.3	2	17
SEP	30	0.6	7	60
OCT	31	0.7	8	39
NOV	30	0.9	6	55
DEC	31	0.7	3	32
YEAR	360	0.6	12	131

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1977 UNITS - 0.01 PARTS/MILLION POLLUTANT - SULPHUR DIOXIDE STATION - NE NO 77014 RAYSIDE SUDBURY AIRSHED TOTAL MONTH 00 TO 04 05 TO 10 11 TO 14 15 TO 25 26 TO 39 40 80VER JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC YEAR FREQUENCY DISTRIBUTION BY PERCENTILES
PERCENT
OF DATA
VALID MIN 10 CONCENTRATIONS FREQUENCY DISTRIBUTION, PERCENT MIN 10 30 50 70 90 95 ARITH MAX 0.0 0.0 0.0 0.0 0.9 2.1 5.7 11.1 0.6 98.B

																	# 1 27 m	LLLIO	A.							
	ST	ATION	- NE	NO	77016		ASH ST	WATE	R TA	NH.	SUDB	JRY				MON	тн - ,	JAN	77							
DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1 2 3 4 5 6 7 8 9	0 0 1 2 0 0 1 1 0 0	0022002006	0 0 2 3 0 0 6 0 0 8	0038008006	0023004004	0 0 3 1 0 0 0 2	0 0 2 1 0 0 1 0 0 0	0 1 2 1 0 0 0 0 0 0 0 0	0 6 1 1 0 0 0 0 0 0	1 3 1 0 0 1 1 0 0 0 0 0	0 2 1 1 1 2 0 0 0 0	1 1 2 0 0 0 0 0	000000000000000000000000000000000000000	. 1	0 0 0 0 0 0 4 1	0 0 0 0 0 0 0 0 0 0 1	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 1 0 0 1 0	0 0 0 0 0 0 0 0 1 1	0 0 0 0 0 0 1 1	0 8 0 7 1 0 0 0	0 0 0 1 1 0 0 0 1	0 4 0 0 1 1 1 0 0 1	0 6 1 0 0 1 1 0 0 1	2	1 2 2 1 1 1 2
11 12 13 14 15 16 17 18 19 20	2 0 2 0 1 30 1 3 0	2 0 1 0 1 7 2 3 0 0	2 0 1 7 2 2 0 0	2 1 26 0 1 21 2 2 0 0	2 2 16 0 1 6 2 2 0 0	2 1 23 0 1 2 3 1 0 0	1 0 47 0 1 1 2 0 0 0	1 0 43 1 2 1 2 0 0 1	1 0 11 1 2 1 1 0 0	1 1 6 1 6 1 1 0 0 6	1 1 2 1 3 1 1 0 0	0 1 1 2 1 1 1 0 4	0 1 1 2 1 0 0 0 0 1	1 0 1 1 4 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 1 0 1 2 0 0 1 1 1 3	1 1 2 1 0 0 0	1 1 1 1 2 0 0 1	1 0 1 2 1 5 - 0 1	0 2 0 1 3 1 8 0 2	0 6 0 1 13 1 10 0 0	0 1 0 1 3 1 7 0 0 0 23	8 0 1 15 1 11	0 17 0 1 18 1 6	0 7 0 1 20 0 3	1 2 3 4 4 4 3 1	4 4 3 1 0
21 22 23 24 25 26 27 28 29 30	0 1 2 3 0 1 19 12	1 0 2 3 2 0 1 7 9 1	1 0 2 4 2 0 5 7 9	1 0 2 4 1 0 5 3 13	1 4 1 0 1 1 1 1 9 1	1 1 4 0 0 1 4 3 1	1 1 3 0 0 2 2 3 2	2 1 3 0 0 2 2 1 3	1 1 3 0 0 4 2 1	2 1 3 0 1 10 2 0 2	1 0 1 4 0 0 10 1 1 1 2	0 0 1 4 0 0 6 1 1 6	1 0 1 3 0 1 4 4 1 5	1 0 1 3 0 1 2 3 1	1 0 1 3 0 1 5 2 1 6	1 0 1 1 0 3 2 1 8	1 0 2 2 0	1 0 4 1 0 1 2 0 4 7	1 0 3 1 0 1 8 0 6	102201140148	0 1 1 1 0 1 10 1 23 20	0 1 1 2 0 1 10 0 7 23	0 1 1 2 0 1 3 1 6	0 0 1 2 0 1 4 2 3	1 3 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	3 3 5 3 5
31 MEAN	18	16	17	3	10	2	17	16	2	2	1	1	1	1	1	1	1	1	1 2	3	1	1 3	1	1 2	2.2	

PERCENTAGE OF DATA VALID - 97.2 PERCENTAGE OF DATA INVALID - 2.3 PERCENTAGE OF DATA UNAVAILABLE - 0.5

NOTES 1. "**** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POL	LUTANT	- 51	ULPH	UR DIO	XIDE							Į.	INITS	- 0.0	DI PAR	RTS/MI	LLIO	N						
	STA	TION -	NE	NO	77016		ASH S	T WATER	TANK	ί,	SUDBUR	ξ¥				MONT	тн - г	E8	77						
DAY	1	2	3	4	5	6	7	В	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 1	MEAN
1 2 3 4 5 6 7 8 9	1 1 0 0 1 7 3 2	1 0 1 1 0 0 1 1 10 3 2	1 1 2 1 1 1 1 2 2 2	1 1 6 1 0 1 1 1 3 2	1 4 3 1 1 1 1 1 3 1	1 0 2 1 0 1 1 1 3 1	1 2 2 1 0 0 1 1 3 1	1 9 2 1 0 1 1 1 1 2 2 2	1 1 2 1 0 1 1 1 1 3 2	1 1 2 1 0 1 1 1 3 1	1 3 3 0 0 1 1 1 3 1	1 4 1 0 1 1 1 1 2 1	1 1 1 1 1 3 1 1	1 1 0 0 1 1 1 3 1	1 0 1 1 0 1 3 1	1 0 1 1 1 1 4 2	1 0 1 2 0 1 0 1 5 4	1 1 1 1 1 2 3	0 0 1 0 0 1 1 2 2 3	0 0 1 0 0 1 0 1 3 4	0 1 0 0 1 0 1 3 4	0 1 1 0 1 1 2 2 4	0 1 1 0 1 5 2 2 3	0 1 0 0 1 33 2 1 2	1 2 2 1 0 1 2 2 3 2
11 12 13 14 15 16 17 18 19	2511001100	2 4 1 0 0 5 2 0	3 2 1 1 0 0 4 2 0	3 2 1 1 0 0 4 2 0 0	4 2 1 1 0 0 0 2 2 0 0	3 2 1 1 0 0 2 2 0 0	3 2 1 1 0 0 3 2 0 0	4 2 1 1 0 0 5 2 0	3 1 1 1 0 0 2 2 0 0	3 1 1 0 0 2 2 0 0	2 1 1 1 0 0 0 1 2 0 0 0	2 2 1 1 0 1	1 1 1 1 1 1 1 1 1 1 1 0 0 0	2 2 1 1 1	1 2 1 1 1 1 1 1 0 0	2 2 1 0 0 1 1 1 0 0	2 1 0 1 2 1 1 0 0	2 2 1 0 0 1 1 1 0 0	2 2 2 0 0 2 1 0 0	2 1 2 0 0 1 1 0 0	2000	2 1 2 0 0 1 1 0 0 0	1 1 2 0 0 2 2 0 0 1	2 1 1 3 0 1 2 0 0	2 2 1 1 1 2 1 0 0
21 22 23 24 25 26 27 28	1 0 1 1 2 1 1 1	1 0 1 1 2 1 1	1 1 1 2 - 1 1	1 1 2	1 1 1 2 1 1 1 1	1 1 1 2 6	0 2 1 2 7	0 6 2 1 2 7 1	0 1 1 1 2 3 0	0 1 1 2 6 0	4 0 1 1 1 2 0 2	1 0 1 1 3 2 0	1 0 1 1 5 3 0	2 0 1 1 6 2 0 2	1 0 0 1 2 3 0 4	1 0 0 1 2 3 0 2	0 0 1 1 3 0 2	0 0 1 4 2 1 6	0 0 1 7 2 1	0 1 0 1 5 0 1	0 1 0 1 7 0	0 1 4 1 1 1	0 0 0 2 5 0	0 1 0 2 2 0 1 0	1 1 1 3 3 1 3
MEAN	1	2	1	1	1	1	1	2	1	1	1	1		1	1	1	1	1	2	1	1	1	1	2	1.3

PERCENTAGE OF DATA VALID - 97.9 PERCENTAGE OF DATA INVALID - 1.2 PERCENTAGE OF DATA UNAVAILABLE - 0.9

- 2. *- INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNITS - 0.01 PARTS/MILLION

	PUL	LUIAN	K E : 2	ULERNO	SW. DOTTO	NIUE.							-												
	STA	TION	- NE	NO 7	7016	Д	SH ST	WATE	R TAN	iK. S	UDBU	Υ				MON	TH - N	MAR	77						
HOUR	1	2	3	4	5	6	7	В	9	10	1.1	12	13	14	15	16	17	18	19	20	21	22	23	24 M	EAN
1 2 3 4 5 6 7 8 9	1 3 1 0 1 1 1 1 2 4	1 23 6 0 2 1 1 1 2 13	2 22 12 1 2 1 - 1 3 6	2 5 2 3 4 1	1 1 1 2 1 1 2 26	1 3 4 0 2 1 1 1 2 16	0 4 11 0 2 1 1 1 2 3	0 20 2 0 2 1 1 1 2 2	0 17 1 0 3 1 1 1 2 1	3 12 0 0 2 1 1 1 2 2	0 9 0 3 1 1 6 2	0 2 0 7 1 1 7 2	0 1 6 0 3 3 1 2 1 5	0 2 7 0 3 6 1 2 1 3	0 1 6 0 5 3 2 3 2 5	1 3 4 0 5 3 2 2 2 2 2	0 3 4 0 10 1 1 2 2 2 2	0 2 3 0 3 2 1 2 2 1	0 8 3 0 2 1 1 2 8	0 14 1 0 2 1 2 2 3	0 2 3 0 1 7 - 47	0 0 2 0 1 1 14 -	0 1 1 1 3 2 7 2	1 0 0 1 1 1 2 2 17 3	1 7 3 0 3 2 2 2 2 5
11 12 13 14 15 16 17 18 19 20	2 2 2 2 0 0 0 1 0 2	2 2 5 1 2 0 1 0 2	3 2 2 2 2 0 0 0	3 2 2 2 1 0 0 0	3 2 2 2 0 0 0 1 2	3 2 2 2 0 0 0 0 1	3 2 2 3 0 0 0 1	3 2 3 2 0 0 0 1 1	4 2 2 1 0 0 0 1	2 2 2 2 0 0 0 1 1	2 2 2 1 0 0 0 3 1	0 2 2 0 0 0 0 0 3 1	2 2 2 0 **** 0 0 2 4 7	2 4 2 0 1 0 3 0 3	4 2 2 0 0 0 0 0 2 6	3 2 2 0 0 0 0 0 4 1	2 2 2 0 0 1 3 0 4 1	2 0 0 0 12 1 2 2	1 2 2 0 0 0 14 1 1	2 2 2 0 0 0 1 1 2 2 2	322000422	3 2 2 0 0 0 1 2	2 2 2 0 1 0 1 0 2 5	3 2 3 0 1 0 4 0 2 1	2 2 1 1 0 2 0 2 3
21 22 23 24 25 26 27 28 29 30	1 1 0 0 0 1 2 1 2	1 1 0 0 0 1 2 1 2	1 1 2 0 0 0 1 2 1 2	1 2 2 0 0 0 2 2 1	1 1 3 0 0 0 1 2 1 2	1 0 4 0 0 0 1 2 1 2	1 4 3 0 0 0 1 2 1 2	1 1 2 0 0 0 1 2 1	1 0 1 0 2 1 1	1 5 1 0 0 4 1 1 1 1	1 9 1 0 0 5 1 1 1	4 1 0 0 11 1 1 2	1 1 0 0 5 1 1 2 1	1 1 0 0 9 2 1 2 1	6 1 0 0 14 2 1 3 2	10 2 1 2 2	1 1 2 0 **** 6 2 1 2 2	1 1 0 1 5 2 1 2 1	6 1 1 0 1 1 2 1	6 1 1 0 1 2 1 1 1 2	3 1 0 0 4 1 1 10 1	3 1 0 0 0 2 2 1 8	1 0 0 0 1 2 1 2 1	1 2 0 0 1 2 1 1 1	2 2 1 0 0 3 1 1 1 2 2
31 MEAN	1	2	2	1 2	0	0	0	2	2	0	0	2	2	2	2	2	2	2	2	2	3	3	1	2	2.0

PERCENTAGE OF DATA VALID - 98.1 PERCENTAGE OF DATA INVALID - 1.1 PERCENTAGE OF DATA UNAVAILABLE - 0.8

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. "***** INDICATES LEJS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POL	LUTANT	- S	JLPH	UR DIO	XIDE							U	NITS	- 0.0	1 PAR	TS/MI	LLIO	N						
	STA	TION -	NE	NO	77016	Α	SH ST	WATER	TANK		SUDBUR	Y				MONT	н - д	PR	77						
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 N	MEAN
1 2 3 4 5 6 7 8 9	0 0 0 1 3 1 1 0 0 1	0 0 0 0 11 1 1 0 0 0 0	0 0 0 1 1 1 0 0 4	0 0 0 1 1 2 0 0 30	0 0 0 7 1 1 0 0 21	0 0 0 0 14 1 1 0 0 0 2	0 0 0 0 2 1 1 0 2 1	1 0 0 0 1 1 2 0 5	0 0 0 0 1 1 1 0 0 0 0	0 0 0 1 1 1 0 6 1	0 0 0 1 1 1 0 6 1	0 0 0 1 1 0 0 2 1	0 0 0 1 1 1 0 3 1	0 0 0 1 1 0 0 2 1	0 0 0 1 1 0 0 3 1	0 0 1 1 0 0 1 2	0 1 0 0 0 2 2 2	0 0 0 0 0 5 1 2 2	0 0 0 0 0 3 4 2	0 2 0 0 0 0 1 1 1	0600000562	0 3 0 1 0 0 0 0	0 0 1 0 1 1 0 0 1 4 1	0 0 1 1 1 0 0 0 12 1	0 0 0 2 1 1 0 3 3 3
11 12 13 14 15 16 17 18 19	2 1 1 0 1 0 1 5 1 0	3 1 1 0 0 0 0 1 6 1	2 1 1 0 1 1 0 1 3 1	3 1 2 0 1 0 0 1 1	3 1 2 0 4 0 0 1 1	3 1 4 0 1 0 4 1 1	2 1 2 0 0 1 0 2 1 1	2 3 1 0 0 1 0 1 1 1 1 1	2 10 1 0 1 1 0 2 1 1 1	2 8 1 0 1 0 1 2 1 1	2 8 0 0 1 4 1 5	3 4 0 0 1 9 1 1 0 1	2 1 0 0 5 2 1 0 1	5 1 0 0 0 2 2 6 0	2 0 0 0 0 0 2 6 0 1	1 0 0 0 0 0 2 3 0 2	2 0 0 0 0 3 0 3 0 2	3 0 0 0 0 0 0	1 0 0 2 0 2 0 0 0 0	2 0 4 0 0 0 0	0 0 0 0 0 0 0 2 1	000036012	0 2 1 0 0 1 1 2	1 0 0 1 0 0 1 2 2 2	2 2 1 0 1 1 2 1 1
21 22 23 24 25 26 27 28 29 30	2 4 4 0 0 0 0 1 1 0 2	2 4 3 3 0 1 1 0 0 0 1 1	3 2 2 0 0 1 1 0 0 4	3 1 0 1 1 0 6	2 1 0 1 2 0 0	3 2 1 1 0 1 1 0 20	2 2 3 5 0 0 1 0 24	2 2 11 0 1 1 0 0 1	2 1 20 0 1 1 0 0 7	2 2 2 3 0 0 1 0 - 8	2 1 1 1 0 1 0 0 1 4	3 1 7 1 0 0 0 0	3 0 5 0 0 1 0 0 1 3	2 0 5 0 21 2 1 0 2 3	2 0 4 0 0 9 1 0 2 3	2 0 3 0 0 14 1 0 3 3	4 0 1 0 0 4 0 6 3	7 2 1 0 0 0 0 0 3 2	3 3 0 0 2 0 0 6 2	2 0 0 0 0 0 0 0 17 3	1 0 1 0 0 0 0 0	2 0 2 0 0 1 0 0 2 3	2 1 0 0 1 0 3 3	2 1 2 0 1 1 - 0 2 3	3 1 4 1 1 2 1 0 3 6
MEAN	1	2	4	2	2	2	2	2	2	2	.1	1.	1	2	1	1	1	1	1	1	1	1	1	1	1.5

PERCENTAGE OF DATA VALID - 97.6 PERCENTAGE OF DATA INVALID - 1.0 PERCENTAGE OF DATA UNAVAILABLE - 1.4

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

															0.000	U. 1. 1. 148 1		1 10							
	STA	TION	- NE	NO	77016	,	ASH ST	WATE	R TAN	WK.	SUDBU	RY				MON	TH - 1	MAY	7.7						
DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 1	MEAN
1 2 3 4 5 6 7 8 9	3201001002	3 2 0 1 0 0 0 1 0 2	3 2 0 1 1 0 0 1 0 2	3 2 0 0 1 0 0 2 0 2	3 2 0 0 1 0 0 1	3 2 0 1 1 2 0 1 0 2	3 2 0 1 0 3 0 1 0 1	3 2 0 1 0 0 0 1	3 2 0 1 0 0 0 1	3 2 0 1 1 0 0 0 0	3 2 1 1 0 0 0 1	4 1 1 0 0 0 1	4 0 1 1 0 0 0	4 1 0 1 0 0 0 0	3 0 6 1 0 1 0 0 1 1	3 0 1 0 0 0 0 0 1 1	4 0 1 1 0 0 0 1 1 1 1	3 0 1 3 0 0 2 0	0 0 2 0 1 1	10 0 1 0 0 0 0 0	4 0 0 0 0 0 0 1 0 1 1	2 0 2 0 0 1 1 0 1 1	0 0 0 0 3 0 1 1	2 0 5 0 1 0 0 1 1	00000
11 12 13 14 15 16 17 18 19	100000000000000000000000000000000000000	1 0 0 0 0 1 0 2 1 1	1 2 0 0 0 2 2 0 1	2 7 0 0 3 1 0	2 1 0 1 0 1 6 0 1 1	2 3 0 2 0 0 3 0 0 1	2 2 0 4 0 1 6 2 1 3	3 0 0 6 0 2 6 14 1 2	9 0 0 1 0 4 2 13 9	4 0 0 1 0 5 2 14 10 1	1 0 0 1 5 4 5 1	1 0 0 1 11 1 3 2 37	0 0 1 7 3 3 1 28 13	0 0 0 1 5 2 3 0 27 5	0 0 0 19 2 1 0 7	0 0 0 3 2 5 1 3	3 0 0 2 0 1 0 6	1 0 0 0 1 0 1 0 4	1 0 0 0 1 0 3 0 2 1	0 0 0 0 1 0 2 1 1 1 1	0 0 0 1 0 4 6 1 1	4 0 0 0 0 0 0 3 4	0 0 0 0 0 12 3 2 1	0 0 0 0 2 0 1 2 4 1	2 1 0 1 2 2 3 3 7 3
21 22 23 24 25 26 27 28 29 30	1 2 2 2 0 0 6 2 1	4 2 2 2 0 0 2 1 1 0	1 2 2 2 0 0 6 1 1 0	2 2 1 0 0 8 1 1	1 2 2 1 0 1 7 3 1	2 2 1 0 3 7 1 1 1	1 2 2 1 0 1 1 1 0 0	1 2 2 1 0 2 1 1 1 1	1 2 2 3 0 4 0 1 1	2 2 3 3 0 4 1 1	2 2 5 0 1 1 1 1 1 1	3 2 1 4 0 0 1 1 1	3 2 2 3 0 0 1 1	2 2 2 2 0 1 0 1 6	2 2 2 11 0 1 1 1 28	2 2 1 4 0 0 1 1	2 2 1 1 0 1 3 1 1 27	2 1 1 0 0 4 1 1 9	2 1 1 2 0 0 4 3 0 7	2 1 6 0 3 8 2 0 1	4 2 2 13 0 2 2 1 0	2 2 2 0 0 0 2 1 0 9	2 2 2 0 0 7 7 1 0	2 2 2 0 0 5 2 1 0 1	2 2 2 3 0 1 3 1
31 MEAN	2	1	1	8	1	1	1	2	1 2	1 2	1	3	1	1	3	4	1 2	1	1	1	1 2	1	1	1	1 1 . B

PERCENTAGE OF DATA VALID - 98.8 PERCENTAGE OF DATA INVALID - 0.4

PERCENTAGE OF DATA UNAVAILABLE - 0.8

NOTES 1. "**** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. "***** INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

POLLUTANT - SULPHUR DIDXIDE UNITS - 0.01 PARTS/MILLION ASH ST WATER TANK. SUDBURY STATION . NE NO 77016 MONTH - JUN 77 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 MEAN DAY 1 2 3 4 5 6 7 0 0 0 0 0 0 1 12 0 0 0 0 3 7 10 24 11 12 13 14 15 16 17 18 19 20 2 4 11 40 47 46 0 0 0 12 14 10 3 12 2 18 22 19 2 2 2 0 0 21 22 23 24 25 26 27 5 2 12 0 1 10 2 10 13 8 8 16 0 0 1 MEAN 2

PERCENTAGE OF DATA VALID - 98.1

PERCENTAGE OF DATA INVALID - 1.0

PERCENTAGE OF DATA UNAVAILABLE - 1.0

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEJS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

		rru:	104.1	SUCFI	ion bil	ONIDE								0141			40.1-27.1								
	ST	ATION	- NE	NO.	77016		ASH S	T_WAT	ER TA	NK.	SUDBL	JRY				MON	NTH -	JUL	77						
HOUR	1	2	3	4	5	6	7	В	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1 2 3 4 5 6 7 8 9	1 0 4 9 1 1 0 1 1 0 0	2 0 11 2 1 0 0 0 0 0	3 0 ***** 2 1 1 0 0 0	1 0 2 2 6 0	4 0 3 2 3 0 	2 0 1 2 3 0 0 3 0 0	2011221000	1 1 0 1 1 0 0 0	1 0 0 0 1	1 0 1 3 1 ****	0 0 0 0 0	1 0 2 10 0 	2 0 1 8 1 **** 0 5 0	4 1 5 1 ***** 0 6 1	2 1 5 0 	2 0 2 4 0 0 0 3 0 1	2 0 2 3 0 0 0 1 0 7	4 2	2 1 2 2 1 0 0 8 0	1 1 3 1 0 0 2 0 1	22 1 0 0 2 0 0	2 0 1 0 0 0 0 0	0 0 2 6 1 0 0 0 1	0 8 2 1 1 0 0 0	2 1 2 5 1 0 0 3 0
11 12 13 14 15 16 17 18 19 20	0 4 1 1 1 0 1 2 0 0	1 1 0 2 1 0 0	0 2 6 1 1 0 1 3 0 0	2 0 13 1 1 0 1 2 0	0 2 6 1 2 0 1 1 1	0 2 1 1 4 0 1 2 0 4	0 2 1 1 0 0 2 2 2 3 5	0 2 1 1 3 12 2 5 1	1 1 1 3 1 6 2 6	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 4 0 0 1 2 1 3	0 1 1 2 6 6 ****	0 1 8 7 **** 6 1 1	0 1 3 4 53 9 0	0 1 1 1 1 1	0 1 1 1 0 4 0 0 1 6	0 1 1 1 0 0 0 0 0 0 6	1 1 1 0 ***** 0 1 0 2	0 1 1 1 3 0 1 0 7	0 1 1 7 3 2 0 0	111111111111111111111111111111111111111	1 1 1 2 1 0 1 0	2 1 1 1 14 0 1 0 0	3 1 1 3 1 1 0 0	1 1 2 2 4 4 2 1
21 22 23 24 25 26 27 28 29 30	0 0 1 19 0 0 2 0 2	0 0 3 1 0 1 2 2 0	0 0 0 1 5 0 0 0 1 2 0	0 0 1 3 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 1 2 0	00000007020	0 0 4 0 0 0 2 1 2 0	0 2 0 0 10 0 2 0	0 0 1 0 0 2 0	0 9 0 0 1 0 0 1 0	000000000000000000000000000000000000000	0 0 0 0 0 0 0 0 0 0 0	004400000000000000000000000000000000000	0 0 3 0 0 0 1	0 0 4 0 0 5 0 0 5	0 - 2 0 0 0 1 2 0 2	01400002200	0 2 4 0 0 2 2 1	0 7 3 0 0 2 2 3	000000000	0 0 8 0 0 - 1 2 0 0	0	0 5 5 0 0 0 1 2 0 0	0 5 17 0 0 0 0 2	0 1 4 2 0 0 3 1
31 MEAN	0 2	0	0	0	2	1	0	0	0	0	0	2	2	3	0	1	1	1	2	1	2	2	9	7	1.5

PERCENTAGE OF DATA VALID - 95.4 PERCENTAGE OF DATA INVALID - 3.4

PERCENTAGE OF DATA UNAVAILABLE - 1.2

NOTES 1. "****" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

UNITS - 0.01 PARTS/MILLION POLLUTANT - SULPHUR DIOXIDE MONTH - AUG 77 STATION - NE NO 77016 ASH ST WATER TANK, SUDBURY 24 MEAN 13 14 15 18 19 HOUR DAY 3 2 ...0 0 2 4 2 0 0 0 0 0 0 0 0 0 0 0 2 4 5 6 7 5 0 12 13 14 15 16 17 0 2 0 0 ō 0 0 0 0 1 ...0 22 23 24 25 26 0 **** 0 **** 0 **** 1.0

PERCENTAGE OF DATA VALID - 98.7

PERCENTAGE OF DATA INVALID - 1.2

PERCENTAGE OF DATA UNAVAILABLE - 0.1

- *- * INDICATES DATA IS UNAVAILABLE 2.
- 3. ****** INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNITS - 0.01 PARTS/MILLION

															0		411.12/1	arres	0.0						
	STA	TION	- NE	NO	77016		4SH 51	T WAT	ER TA	NK.	SUDBL	RY				MON	TH -	SEP	77						
HOUR DAY	1	2	3	4	5	6	7	8	9	10	1.1	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	0	9	0	0	0	0	3	3	2	0	0	0	0	0	0	1	***	0	0	0	0	0	0	0
2	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	5	4	5	5	4		5	4	0	1
3	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	4	8	1	2	1
4	6	2	В	3	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
5	0	0	0	1		0	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0	o.	0	0	0	D	ő
7	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0		o	0	0	0	ő
В	0	0	0	0	0	0	0	1	1		1	0	0	****	****	Ö	0	ő	o	0	o	o	0	o	o
9	1	1	1	1	1	1	1		3	2	1	1	1	2	2	2	1	2	3	2	4	10	4	ĭ	2
10	2	4	2	1	4	2	4	3	ő	ō	0	Ö	o	ō	ō	ō	ò	ō			0	0	0	ó	
	-					-		-						•	U				U		U		U	U	1
1.1	0	0	0	0	0	0	0	0	0	0	0	0	0	9	3	2	3		0			0	0	0	
12	0	0	0	0	0	0	0	6	0	0	0	ō	В	12	20	12	11	- 3			2			0	
13	0	0	1	1	1	1	0	0	ō		0	ō	0	0	0	ō			0	0	ő	0			o
14	1	1	0	0	0	0	0	0	1	0	0	,	o	a	0	o			0	0		3	6	8	·
15	1.1	14	20	3	16	3	9	4	3	,	1	- 4	1	ĭ			0	0	0	0	0	0	0	0	- 1
16	0	0	0	ō	0	õ	ō	0	ő	o		o	o	o	o	ò		0	0	0	0				4
17	0	0	0	0	o	o	o	0	o	ő	0	ő	Ö	1	2		1	o	0		0	0	0	0	0
1.8	10	2	15	11	22	15	27	3	2	0	o	ő	0	ò		1		0	1		2	1	9	16	1
19	0	- 6		Ö	0	0	0	ő			0	0	****		0	0	0		0		0	0	0	1	5
20	ő	0	0	0	0	0	0	0	0	0				0	0	0	0	0	0	0	0	0	0	0	0
20	v	Ü	0	U	U	U	U	U	0	U	0	0	0	0	0	0	0	0	• • • • •	0	0	0	0	0	0
21	0	0	0	0	o	0	0	0	0	0	0	0	D	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	2	5	5	3	4	4	13		20	14	11	9	5
23	8	7	8	8	8	7	4	2	- 1	1	0	1	1	1	- 1	o	0	0	0		-0	0	0	o	2
24	0	0	0	0	0	0	0	0	0	0	0	0	0	Ó	o	o	0	o.	o	0	0	0	ő	o	ő
25	0	0	0	0	0	0	0	0	0	0	0	o	****	0	ő	****	o	o		0	0	0	o	0	
26	0	0	0	0	0	0	0	0	****	- 1	1	- 1			·	4	Ö	1		****					0
27	1	1	1	1	1		1	1			4	4		- 1	- ;	- 4	3	2	6		1	- 3	- 2		1
28	1	4	1		+				9	1	- 1	- 4		- 1	ò	ó	ő	ő	ő	6	1			0	2
29	ó	ò	ò	ò	0	ò	o	o	ò	ó	0	3	o	ó	0	o	0				0	0	0		1
30	0	0	0	o	o	ő	0	o	0	1	0	0	0	0	0	0	0	0	0		0	0	0	0	0
3.0	v		U		0	U	0	U	0	1	U	U	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	1	1	2	1	2	1	2	1	-1	0	0	0	1	1	1	1	1	1	1	2	1	1	1	1	1.1

PERCENTAGE OF DATA VALID - 95.1 PERCENTAGE OF DATA INVALID - 4.2 PERCENTAGE OF DATA UNAVAILABLE - 0.7

NOTES 1. ****** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. *-* INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LE,5 THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POL	LUTANT	. 5	ULPI	HUR D	OXID	E							UNIT	s - o	.01 P	ARTS/	MILLI	ON						
	STA	TION -	NE	NO	7701	5	ASH S	T WA1	ER T	ANK.	SUDB	JRY				MON	HTH -	ост	77						
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1 2 3 4 5 6 7 8 9	0 0 0 4 19 2 0 1 1	0 0 0 0 1 10 2 0 1 0	0 0 0 0 14 2 2 0 1 0	0 0 0 0 3 1 2 0 1 0	0 0 0 0 1 1 1 0 0 1 0	000000000000000000000000000000000000000	0 0 0 0 0 1 0 1 1	0 0 0 0 1 0 1 0 0 2	0 0 0 0 1 1 1 0 0 1 0 0	0 0 0 0 0 0 2 0 1 0	0 0 0 0 0 0 1 1	0 0 0 0 0 0 1 7	0 0 0 1 0	0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0		0	0 0 0 0 5 1 0 0 1 0	0 0 1	0 0 0 1 0 0 0 1 0	0 0 0 0 0 0	0 0 0 0 1 0 0 0 0	0 0 0 0 0 0 0 0 0	0 0 0 0 1 0 1 0 1	0 0 0 0 2 1 0 1 0 1	0 0 1 2 2 1 0
11 12 13 14 15 16 17 18 19	1 0 0 1 2 0 1 0 3 2	1 0 0 1 1 0 4 3	1 0 0 1 1 1 1 0 2 2	1 0 0 1 1 1 1 0 24 1	1 0 0 1 1 1 1 0	0 2 0 1 1 1 1 0 2 1	0 4 0 0 1 1 1 0 2 1	0 7 0 0 0 1 1 0 2 2	0 1 0 1 0 0 1 0 0	0 0 0 0 0 1 0 0 1 6	1 0 0 1 1 1 0 0 1 7	1 0 1 1 0 0 0 1	1 0 2 1 1 1 0 0 2 3	1 0 4 1 1 0 1 3 6	0 0 21 1 1 0 1 1 6	0 8 1 0 1 3 1 1 2	1 0 6 1 4 2 3 3 2	10 0	1 1 0 0		0 0 1 1 0 0 0 3	1 0 1 7 1 1 0 0 3	0 0 1 5 1 0 0 0 3	0 0 1 3 1 1 0 2 2 1	1 1 2 1 1 1 1 0 4 3
21 22 23 24 25 26 27 28 29 30	1 0 0 1 1 1 1 0 2	1 0 0 0 0 0 2 1 1 0 1	1 0 0 1 0 3 1 1 1 1 1	1 0 0 0 4 1 1 0 0	5 0 0 0 0 3 1 1	4 0 0 0 0 4 3 1 0 0	16 0 0 0 1 13 1	4 0 0 0 0 2 5 1 1 0	1 0 0 0 0 3 1 1	3 0 0 0 1	3 2 0 1 8 1 0 0	6 0 2 0 1 4 1 0 0	1 0 0 0 1 2 1 1 0 0	55200	3 0 0 1 5 1	0 0 0 1 2 1 0 0 0 1	1 0 0 0 1 2 1 0 0 0		3 0 10 0		5 0 1 2 5 9 3	1 0 0 0 1 1 3 0 8	0 0 0 0 1 1 4 0 4 0	0 0 1 0 1 1 0 3 0	3 0 0 0 1 3 3 2
31 MEAN	1	1	1	1	1	1	1	1	1	1	1	0	1	0	0	0	0	0	0	1	0	0	0	0	1.1

PERCENTAGE OF DATA VALID - 94.1 PERCENTAGE OF DATA INVALID - 5.8

PERCENTAGE OF DATA UNAVAILABLE - 0.1

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

	PU	LLUIA	9.1	SULPH	IUN DI	OXIDE								DIATIO	U.	UI PA	u i a) ii	ULLEL	433							
	ST	ATION	- NE	NO	77016		ASH S	T WAT	ER TA	NK.	SUDBU	RY				MON	TH -	NOV	77							
HOUR DAY	1	2	3	4	5	6	7	8	9	10	1.1	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1 2 3 4 5	0 0 1 0	0 0 1 0 0	0 0 1 0 0	1 0 1	0 0 0	0 0 0 0 1	0 0 0 0 1	0 0 1 0	0 0 1 0	0 0	0 0 0 1	00000	0 1 1 0	D 1 1	0 1 1 0	1 1 0 0	0 0 0	****			***	0 0	0 1 4 0	1 1 0	0 0 1 0 0	
6 7 8 9	0 0 0 0	0 0 0	0	0	0 0 0	0 0 1	0 0	1 0 0 0	0 0 0	0 0	0 0 0 0	0 0	0 0 0	0 0 0	0 0 0	0 0 0	0000	1 0	0	0 0	3 0 0 1	5 0 0 0 2	0 0 0	0 0 0 1	0 0 0	
11 12 13 14 15 16 17 18 19	1 0 0 4	1 0 0 1 **** 0 0 0 0	0 0 0 0 0 0 0	0 0 6	0006	0 0 0 0 0 0 0	1 0 0 14 **** 0 2 0 0	1 0 0 10 **** 0 0 0	000000000000000000000000000000000000000	1 1 0 1 **** 0 0 0 ****	1 0 1 0 0 0 1	1 0 1 0 0 0 1 - 0 0	0 0 0 0 0 0 0 0 0	1 0 1 2 0 1 2	1 0 1 1 0 1 2 0 0 0	0 0 0 0 0 0 0	100000000000000000000000000000000000000	0	0 0 7 1 0 0	1 0 1 0 0 0 2 0 0	000000000000000000000000000000000000000	000000000000000000000000000000000000000	0 0 5 0 0 0 1 0 0 1 0	000000000000000000000000000000000000000	1 0 1 3 3 0	
21 22 23 24 25 26 27 28 29 30	0 1 0 2 1 2 0 0 3	0 0 1 1 1 0 1 6 -	0 0 0 1 1 0 0 0 4 1	1 0 0 1 1 1	1 0 1 1 1 0 0 0 4	1 0 0 9 1 2 4 1	2 0 9 1 0 0 2 1	2 0 0 3 1 0 0 0 0 1	1 0 0 4 2 0 1 3	2 0 0 5 6 1 1 1 2 2 -	1 0 0 6 4 1 1 5 1 1	1 8 0 2 1 1 1 5 1 2	1 4 1 1 1 1 4 0 2	3 1 1 0 0 1 3 1	3 0 1 2 0 1 11 4 0	2 1 2 0 1 15 4 0	3 0 1 2 0 0 13 3 0 0	0 0 1 1 0 0 4 2 0 0	0 0 1 0 0 1 0	0 0 1 0 0 0 1 0	0 1 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2 0 3 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6 1 2 1 0 0 0 1 1	1 0 2 1 1 1 0 0 1 1 0 0	1 1 2 1 0 2 2 2 2 1	
MEAN	1	0	0	1	1	1.	1	1	1	1	1	1	1	1	1	1	1	0	1	0	0	1	1	1	0.8	

PERCENTAGE OF DATA VALID - 91.7 PERCENTAGE OF DATA INVALID - 6.8

PERCENTAGE OF DATA UNAVAILABLE - 1.5

NOTES 1. ****** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. *- INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POLL	UTANT	. S	ULPH	IUR DIO	XIDE							L	JNITS	- 0.0	1 PAR	TS/MI	LLION	i						
	STAT	ION -	NE	NO	77016		ASH S	T WATER	TAN	ĸ.	SUDBUR	Υ				MONT	н - р	EC	77						
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 N	EAN
1 2 3 4 5 6 7 8 9	0 0 6 1 0 1 0 0 2 1	0 0 6 0 0 0 0 3 1	0 2 1 0 0 0 0 0 0 0 1	0 1 2 0 1 0 0 0 0 1	0 3 1 0 1 1 0 0	0 7 1 0 1 0 0 0 1	1 5 0 5 1 0 0 1	0 3 2 0 3 0 0 0	0 2 10 0 2 0 1 0 0 2	0 1 6 1 2 0 1 0 0 2	0 1 2 1 1 1 0 3 0 2	0 0 1 1 0 0 0 1 2	0 2 1 1 0 0 0 0 1 2	2 1 1 0 0 0 - 0 1 2	1 2 1 1 0 0 0 0	1 2 1 0 0 0 0 0 1 1	2 0 0 0 0 0 0 1 1	4 1 0 0 0 0 0 0 1 1	3 4 0 0 0 0 0 0 1 1	4 2 0 0 1 0 0 0 1 1	5 0 0 1 0 0 0 1 1	2 4 0 0 0 0 0 0 1 1	2 2 1 0 0 0 0 0 1 1	1 0 0 0 0 0 1 1	1 2 2 0 1 0 0 0 0
11 12 13 14 15 16 17 18 19	3 0 1 1 2 3 1 1 1	1 4 0 1 2 2 5 1 1 1	1 4 0 1 3 2 2 1 1 1	1 3 0 1 5 2 1 1 1 1	0 1 6	1 3 0 1 3 1 10 1 1	1 2 0 2 2 1 3 1	1 2 0 5 2 1 3 1 1 1	1 1 0 4 2 1 1 1 1 1 1	2 2 0 3 3 1 1 1 1 1	2 2 0 2 5 1 1 1 1 1	2 1 0 3 1 1 2 1 1 1 1	3 1 1 3 1 1 2 1 2 1	3 1 0 2 1 1 1 1 1	4 1 0 3 1 1 1 1	2 1 0 3 1 1 1 1 1 1 1	1 1 0 4 1 1 1 1 1 0	1 1 0 3 1 1 1 1 0 0 0	1 0 0 3 1 1 1 1 1 0 0	2 0 0 2 2 1 1 1 1 0	2 0 0 2 2 1 1 1 1 1 1	2 0 1 1 3 1 1 1 1 1 1 1	2 0 1 2 3 3 1 1 1 1	2 0 1 1 2 2 1 1 1 1 1	2 2 2 1 1 1
21 22 23 24 25 26 27 28 29	1 5 0 0 1 0 4 5	1 1 3 0 1 0 5 4 1 2	1 1 0 1 4 4 1 2	1 1 1 1 4 3 3 1 1 1	2	1 1 1 1 0 0 0 1 1 1 1 2	1 0 1 1 0 0 0 1 1		1 4 1 0 1 0 0 0 2	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0	1 1 1 1 0 0 1 2 3	1 2 1 1 1 0 0 1 2 6	1 1 1 1 0 0 1 2	0 3 1 1 1 0 0 0 1 3 0	0 1 1 1 0 0 0 1 3	1 4 1 1 0 0 0 0 1 3 0	0 5 2 1 0 0 0 2 3 0	1 1 1 0 0 1 9 2 0	1 1 2 1 0 0 1 1 1 0	1 0 0 0 0 2 1 1 0	1 0 3 1 0 2 3 1 3 0	1 1 2 1 4 5 0 5	1 0 0 1 0 4 3 0 1	1 1 1 2 2 2 1
31	0	1	Ť	1	1	1	2	2	2	,	1	2	2	1	4	3	2	3	2	2	3	3	3	*	1.2
MEAN	1	2	- 1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			1.2

PERCENTAGE OF DATA VALID - 99.2 PERCENTAGE OF DATA INVALID - 0.1

PERCENTAGE OF DATA UNAVAILABLE - 0.7

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ON ARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOU LY AND 2-HOURLY DATA FOR 1977

YEAR

WONTHET SUMMAN	OF FOR LY MAD 2-HOURE	Y DATA FOR 1977		
POLLUTANT - SUL	PHU? DIOXIDE		UNITS - 0.01 PARTS/MILLI	ON
STATION - "E N	0 77016 ASH ST WAT	ER TANK, SUDBURY		
MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
ME	31	2.2	8	47
FEB	28	1.3	3	33
MAR	31	2.0	7	47
APR	30	1.5	6	30
MAY	31	1.8	7	72
JUN	30	2.4	В	47
JUL	31	1.5	5	53
AUG	31	1.0	3	19
SEP	30	1.1	5	31
oct	31	1.1	4	24
NOV	29	0.8	3	15
DEC	31	1.2	2	10
YEAR	364	1.5	8	72

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1977 POLLUTANT - SULPHUR DIOXIDE UNITS - 0.01 PARTS/MILLION STATION - NE NO 77016 ASH ST WATER TANK. SUDBURY MONTH OO TO 04 05 TO 10 11 TO 14 15 TO 25 26 TO 39 40 SOVER TOTAL JAN FEB MAR APR MAY JUN JUL AUG SEP NOV DEC

FREQUENCY DISTRIBUTION BY PERCENTILES PERCENT OF DATA VALID CONCENTRATIONS
FREQUENCY DISTRIBUTION, PERCENT
50 70 90 95 | CONCENTRATIONS | CONCENTRATIONS | PERCENT | FREQUENCY DISTRIBUTION, PERCENT | PERCEN ARITH MEAN 98 99 MAX 15.2 1.5

1.7

	POLL	UTANT	- 5	uLPHUF	010	IDE							U	NITS	- 0.0	1 PAR	T5/M1	LLION							
				NO 7			RGAN	SUDBI	JRY A	IRSHE	D					MONT	н - Ј	AN	77						
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	1.4	15	16	17	18	19	20	21	22	23	24 ME	
1 2 3 4 5 6 7 8	0 0 0 0 0 1 0 0 1	000000000	000000000	000000000	000000000	000000000	000000000	000100000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0000000000	00000000	0000010000	0 0 0 0 0 2 0 1 0 0	0 0 0 0 1 0 0 0	0 0 0 0 0 1	000000120	0 0 0 0 0 0 1 32 0	0 0 0 0 0 0 1 23 0	0 0 0 0 0 0 0 0 0 2 1 0	000000000000000000000000000000000000000	0 0 0 0 0 0 19 0	0 0 0 0 0 0 19 0	0 0 0 0 0 0 0 14 0	0 0 0 0 0 0 5 0	0 0 0 0 0 7 0
11 12 13 14 15 16 17 18 19 20	000400000	0 0 0 0 0 0 0 0	0 0 0 1 3 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0	0 0 0 2 8 0 0 1 0 0	0 0 0 5 7 0 0 1 0 0	0 0 0 4 2 0 0 0 0	00000000	000000000000000000000000000000000000000	000020000	0 0 0 3 1 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0	000600000	0 0 0 0 0 0 0	0055000000	004000000	000000000	000000000	000000000	002000000	002000000	0 0 4 0 0 0 0 0 0	0 0 5 0 0 0 0 0 0	0 1 2 2 0 0 0
21 22 23 24 25 26 27 28 29 30	0 0 0 1 1 0 12 0 0 0	0 0 0 1 0 0 0	0 0 0 1 0 0 0 0 0	0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	000000000000000000000000000000000000000	0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0000000000	0 0 0 0 0 0 0 0	0 0 2 1 0 0 0 1	0 0 3 2 0 0 0 0 0 0	0 0 4 1 0 0 0 0 0 0	0 0 4 0 0 0 0 0 0 0	0 0 2 1 0 1 0 0 0	000102000	0 0 0 1 0 2 0 0 0	0 0 2 1 0 0 0 0 0	0040000000	0 0 1 0 0 0 0 0 0	00000000	0 0 0 0 0 0 0	000100000	0 0 1 2 0 1 0 0 0 0	0 0 1 0 0 0
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.5
MEAN	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	- 1	1	1	1	1	1	1	3		3.0

PERCENTAGE OF DATA VALID - 99.9 PERCENTAGE OF DATA INVALID - 0.1

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. ****** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. *- INDICATES DATA IS UNAVAILABLE
- 3. ******* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	PC	LLUTANT	. :	SULPH	UR DIO	XIDE							U	INITS	- 0.0	1 PAR	TS/MI	LLION	t						
	ST	TATION -	NE	NO	77017	,	MORGAN	SUDI	BURY	AIRSHE	D					MONT	H - F	EB	77						
HOUR DAY	1	2	3	4	5	6	7	8	9	10	1.1	12	13	14	15	16	17	18	19	20	21	22	23	24 MI	EAN
1 2 3 4 5 6 7 8 9	000000000000000000000000000000000000000	0 0 0 0 0 0 0 2	000000000000000000000000000000000000000	0 0 0 0 0 0 0 1 0	0 0 0 0 0 0 0 1 0	0000000000	000000000000000000000000000000000000000	0 0 1 0 0 0 0 0 3 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 3 0	0 0 1 0 0 0 0 0 2 4	0000000022	0 0 0 0 0 0 2 1	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0000000000	000000027	0 0 0 0 0 0 1 13	0 0 0 0 0 1 1 0	0 0 0 0 0 1 1 0	000000000000000000000000000000000000000	0 0 0 0 0 0 1 1 0	0 0 0 0 0 0 1 0 1	0 0 0 0 0 0 1 0 1	0 0 0 0 0 0 0 2 1
11 12 13 14 15 16 17 18 19 20	000000000	0000000	000000000	1 0 0 0 0 0 0 0 0 0	160000000000000000000000000000000000000	1 0 13 0 0 0 1 0 0	1 0 8 0 0 0 0 1 0 0	1 0 6 0 0 0 0 0 0 0	1 0 11 0 0 0 1 0 0	000000000000000000000000000000000000000	0 0 0 0 0 0 0	1 2 1 0 0 0 0 1 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	2 1 0 0 0 0 0 0 0 0	0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0 0 0	00000000	000001000	0000000000	0 0 0 0 1 0 0 0	000000000	1 1 3 0 0 0 0 0
21 22 23 24 25 26 27 28	000000000000000000000000000000000000000	0 0 0	0000000	0000000	00000	0000000	0 0 0 0 0	0 0 0 0 0 0	0 0 3 0 0 2 0	00060000	0 0 0 0 0	0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0 0	000000	0000000	0 0 0 0 0	0 0 0 0 0	0000000	0000000	0 0 0 0 0
MEAN	0	0	0	0	1	1	1	0	1	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0.3

PERCENTAGE OF DATA VALID - 99.1 PERCENTAGE OF DATA INVALID - 0.9

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEJS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

															0	MAC ENT	ri ayımı	FFIO	4						
	STA	TION	· NE	NO	77017	1	MORGAN	SUDB	URY	AIRSHE	D					MON	TH - N	IAR	77						
DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1 2 3 4 5 6 7 8 9	000000000	0000000000	0 0 1 0 0 0	000000000	0 0 0 0 0 0 0 0 0	000000000	000000000000000000000000000000000000000	0 0 1 0 0 0 0 0 0	0 0 0 0 0 0 0 0	000000000000000000000000000000000000000	0 0 0 0 0 0 0 0 0	0000000000	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 3 0 0 0 0 0 0	0 0 0 0 0 0	0 0 16 0 0 0 0 0	700000	0 0 0 0 0 0 0	0 1 9 0 0 0 0 0 0 0	5000000	0 1 4 0 0 0 0	0 1 6 0 0 0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0 0 0
11 12 13 14 15 16 17 18 19 20	020000000	0 2 0 0 0 0 1 0 0	0 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 2 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 1 0 0 4 0 0	0 0 0 0 0 1 0 0	1 0 0 0 1 0 0 1 0 0	1 2 0 0 1 0 1 0	2 3 0 0 1 0 0 0 0 4	932000005	13 2 3 0 0 0 0	16 3 0 0 0 0 0	14	14 11 0 0 0 0 0 0	0 0 0 0 0 0 0	7 0 0 0 0 0 0 0 9	3000000000	4000000600	300000300	3 0 0 0 0 1 0 0 0	2000001000	200000000	200000000	5 2 0 0 0 0 0 1
21 22 23 24 25 26 27 28 29	000000000	000000000	0 0 0 0 0 0 0 1 0	0 0 0 0 0 1 0 2 0	000000000000000000000000000000000000000	0 0 0 0 0 1 0 2 0	0 0 0 0 0 3 2 0 0	0 0 0 0 0 1 2 1 0	0 0 0 0 0 2 1 3 0	0 0 0 0 0 1 2 4 0	000000000000000000000000000000000000000	0 0 0 0 1 3 1 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	000050500	0 0 0 0 6 0 3 0	000006000	0000050100	000000000	0 0 0 0 0 0 0 0	000000000	000000000	00000000	000000000	00000000	0 0 0 0 0 1 0 1 1 0
31 MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	~	~	J	U	0	U	O	U	0	3	1	1	1	1	1	1	1	0	1	1	0	0	0	0	0.5

PERCENTAGE OF DATA VALID - 99.9 PERCENTAGE OF DATA INVALID - 0.1 PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. "**** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
 - 3. ******* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POLI	LUTANT	. s	ULPH	UR DIC	XIDE							ì	JNITS	- 0.0	01 PA	RTS/M]	LLIO	N						
	STAT	TION -	NE	NO	77017	(MORGAN	SUDBU	RY	AIRSHE	D					MON	гн - д	PR	77						
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 N	EAN
1 2 3 4 5 6 7 8 9	0000000000	0 0 0 0 0 0 0 0 0	000000000	000000000	0 0 0 0 0 0 0 0 0	0 1 0 13 0 0 0 0	0 1 0 12 0 0 0 0	0 2 0 7 0 0 0	0 0 0 0 0 0 0 0 0	0 0 0 5 1 0 0 0 0	0 6 0 11 0 0 0	0000000000	0005000004	0 4 0 2 0 0 0 0 0	000000000	0 2 0 0 0 0 0 0 0	0 2 0 1 0 0 0 0 0	0 0 0 0 0 0 1	0 1 0 0 0 0 0 0 0	0000000000	000000000	000000000	000000000	0 0 0 0 0 0 0 0	0 1 0 3 0 0 0
11 12 13 14 15 16 17 18 19 20	000000000	0 0 0 0 0 1 0 0 0	000000000	0000000000	000000000000000000000000000000000000000	000000000	0000000000	0 0 0 0 0 0 0 0 0	0 0 0 0 1 1 1 0 0 0	0 0 0 0 1 3 0 0 0	0000005000	0 0 0 0 0 0 14 0 0 0	0 0 0 0 0 16 0 0 0	0 0 0 0 0 0	0 5 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	09000000	0 19 0 0 0 0 0 0 0	0 1 0 0 0 0 0 0 0	000000000	0000000000	0 0 0 0 0 1 1 0 0 0	0 0 0 0 0 1 0 0 0	0 1 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
21 22 23 24 25 26 27 28 29	000000000	0000000000	0 0 0 0 0 0 0 0 0	000000000	0000000000	000000000	000000000	0 0 0 0 0 0 0 0 0	000000000	000000000	0 0 0 0 0 0 0 0	000000000	0000000000	000000000	0000000000	0000000000	0000000000	000000000	000000000	000000000	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	000000000	0000000000	0 0 0 0 0 0 0 0 0
MEAN	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	1	О	0	0	0	0	0	0	0.3

PERCENTAGE OF DATA VALID - 99.9 PERCENTAGE OF DATA INVALID - 0.1

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ******* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNITS - 0.01 PARTS/MILLION

	STA	TION	- NE	NO	77017		MORGAN	SUDBL	IRV	AIRSHE	2						MO	NTH	- MA	v	77						
	3		.,,,	110	22000		· · · · · · · · · · · · · · · · · · ·	3000	2151																		
DAY	1	2	3	4	5	6	7	8	9	10	11	1	2	13	14	15	16	1	7	18	19	20	21	22	23	24	MEAN
1 2 3 4 5	0 0 0 0	0000	0000	0 0 0 0	0 0 0	0 0 0	0000	0 0 1 0	0 0 1	0 0 0	0 0 0		0 0 0	0 0 0 0 -	0 0 0	0 0	0 0		0 0 0 0 0	0 0 0	0 0 0	0 0 0 0	0 0 0	0 0 0	0 0 0	0 0 0 0	0 0 0
6 7 8 9	ō		0	. 0		ō	0	0	0	. 0	0	-	DATA	UNA	VAIL	ABLE ABLE O	×		0	0	0	0	0	0	0	0	
11 12 13 14 15 16 17 18 19	0 0 0 0 0 0 1 1 0	0 0 0 0 0 1 1 0	0 0 0 0 0 1 1 0	0 0 0 0 0 1 1 0 0	0 0 0 0 0 0 1 1 0 0	000000100	0 0 0 0 0 0 1 0 0	0000000000	200000000	1000000005	000000004		0000000004	000000000	0 0 0 0 0 0 0 0	000000000	000000000		000000000	000000000	000000000	000000000000000000000000000000000000000	1 0 0 0 1 1 1 0 0	1 0 0 0 1 1 1 0 1	0 0 0 0 1 1 1 0 1	0 0 0 0 2 1 1 0 2	0 0 0 0 0 0 1
21 22 23 24 25 26 27 28 29 30	1 1 0 1 1 0 0 0 0	1 0 0 1 1 0 0 0	0 0 0 1 0 0 0 0	1 0 1 1 0 0 0 1 0 0 0	0 2 1 1 0 0 1 0	0 1 0 0 1 0 0 0	0 1 0 0 0 0 0 0 0 0	00000000	0000000000	0 0 0 0 0 0 0 0	000000009		0 0 0 0 0 0 0 0 0 0 1	000000000000000000000000000000000000000	0 0 0 0 0 0 0 17	00000000	000000000		0 0 0 0 0 0 0 3	00000000	000000001	0000000000	1 0 0 0 0 1 1 0 0 0	1 0 0 1 1 0 0 0 0	1 0 0 0 2 2 0 0 0	100000000000000000000000000000000000000	000000004
31	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0		0	0	0	0	0	0	0	1	0
MEAN	0	0	0	0	0	0	0	0	0	0	1		Ť	1	1	0	0		0	0	0	0	0	0	0	0	0.3

PERCENTAGE OF DATA VALID - 86.2 PERCENTAGE OF DATA INVALID - 0.3 PERCENTAGE OF DATA UNAVAILABLE - 13.6

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. "***** INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POLL	UTANT	- 5	ULPH	UR DIO	XIDE							U	NITS	- 0.0	1 PAR	RTS/MI	LLION	4						
	STAT	ION -	NE	NO	77017		MORGAN	SUDBI	JRY	AIRSHE	D					MONT	rH - J	UN	77						
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1 2 3 4 5 6 7 8	1 0 0 0 0 0 0 0	1 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 1 1 0 0 0 0	0 0 0 0 0 0 0 0	1000000000	000000000	000000000	0000000000	0 0 0 0 0 0 0 0	000000000	000000000	000000000	0000000000	0000000000	000000000	000000000	000000000	000000000	000000000	0000000000	000000000	0000000000	00000000	00000000
11 12 13 14 15 16 17 18	000000000	0000010000	000000000	0000000000	0 0 0 0 0 0 0	0000000000	0 0 0 0 0 0 0 0	000000000	0 0 0 0 0 0 0 0	0 0 0 7 0 0 0 0 0 0	0000000000	0 0 0 0 0 0 0 0	0000000000	0 0 0 0 0 0 0 0	000000000	000000000	0 0 0 0 0 0 0 0 0	000000000	0 0 0 0 0 0 0 0	000000000	0000000000	0 0 0 0 0 0 0 0 0	0000	0 0 0 0 0 0 0	0 0 0 0 0 0 0 0
21 22 23 24 25 26 27 28 29 30	000000110	0 0 0 0 1 0 0 1 0	0 0 0 0 0 0 0 0 0	0000000000	0	000000000000	000000000	000000000	000000000000000000000000000000000000000	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0000000	000000000	000000000	0000000000	000000000	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	000000000	000000000	0 0 0 0 0 0 0	0 0 0 0 0 1 1 0 0	0 0 0 0 1 0 2 1 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	00000000
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1

PERCENTAGE OF DATA VALID - 99.7 PERCENTAGE OF DATA INVALID - 0.3 PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. *- INDICATES DATA IS UNAVAILABLE
- 3. "***** INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNITS - 0.01 PARTS/MILLION

	STA	TION	· NE	NO 7	7017	M	DRGAN	SUDB	URY	AIRSHE	D					MON	тн	JUL	77						
DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 M	EAN
1 2 3 4 5 6 7 8 9	0 0 0 1 0 0 1 0 2	0 0 0 1 1 0 2 0 2	0 0 0 0 0 0 2 0 1	0 0 0 0 1	0 0 0 0 1 0 0 0 2	0 0 0 1 0 0 1	0 0 0 0 0 3 2 0 0 1	0 0 0 0 4 2 0 0 0	0 0 0 0 1 1 0 0 0	0 0 0 0 0 1 1 0 0 0	0 0 0 0 1 1 0 0 3	0 0 0 0 2 1 0 0 12	0 0 0 1 4 9 0 7	0 0 0 0 1 4 12 0 0 3	0 0 0 3 2 3 0 0 1	0 0 0 2 3 1 8 0 2 0	0 0 0 4 2 2 0 0 0	0 0 0 1 3 10 0 0	0 0 0 0 0 7 0 0 0	0 0 0 0 0 0	0 0 0 1 1 0 0 1	0 0 1 1 1 3 0 1 2	0 0 1 1 1 1 0 0	0 0 0 1 1 2 1 0	0 0 0 0 1 2 4 0 0
11 12 13 14 15 16 17 18 19	1 1 0 1 2 1 1 0 1 1	1 1 1 2 1 1 1 0	1 1 1 1 1 1 1 1	1 1 2 1 1 1 2 1 1 1	1 1 2 1 1 1 2 1 1 1	1 1 2 0 1 1 1 1 1 1 1	0 0 1 0 1 1 1 0 0	0 0 0 0 1 0 2 0 0	0 0 0 0 0 2 0 4 0	000000000000000000000000000000000000000	000000000	000000000	000000000	000000000	0000000000	000000000	00000000	0000000000	000000000	0000000000	1 0 1 1 0 0 0 0 0 0 0	2 0 1 0 2 0 1 1 0 0	2022100100	2 0 1 2 1 0 0 1 1 0	000000000000000000000000000000000000000
21 22 23 24 25 26 27 28 29 30	1 0 0 0 0 0	0 1 1 0 0 0 0 0 0 0 0 0	0 1 1 0 0 0 0 0 0 0 0	0 0 1 1 0 0 0 0 0 0 0 0	1 0 0 0 0 0	0 1 1 0 0 0 0 0 0 0 0	0 1 1 0 0 0 0 0 0 0	000000000	0 0 0 0 0 0 0 0	0000000000	0000000000	000000000	000000000	0000000000	000000000	000000000	000000000	0 0 0 0 0 0 1	000000004	0 0 0 0 0 0 0 1	0 0 0 0 0 0 1	0 0 0 0 0 0 0 1	0 0 0 0 0 0	0 0 0 0 1 1 0 0 0	0 0 0 0 0 0 0
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
MEAN	1	1	1	1	1	0	0	0	0	0	0	0	1	t	0	1	1	0	0	0	0	1	0	1	0.5

PERCENTAGE OF DATA VALID -100.0 PERCENTAGE OF DATA INVALID - 0.0

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1, ****** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. *-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POLI	UTANT	- S	JLPHL	R DIOX	IDE								UNITS	. 0.	01 PA	RTS/MI	LLIO	V							
	STAT	ION -	NE	NO 7	7017		MORGAN	SUDBUR	Υ	AIRSHE	D					MON	тн - д	UG	77							
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	1.4	15	16	17	18	19	20	21	22	23	24	MEAN	
1 2 3 4 5 6 7 8 9	0 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	01000000000	0 1 0 0 0 0 0 0 0 0 0	0 1 0 0 0 0 1 0 0	0 1 0 2 0 1 0 1	0000001100	000000000000000000000000000000000000000	000000000	0000000000	0 0 0 0 0 0 0 0 0	000000000000000000000000000000000000000	0 0 0 0 0 0	000000000	0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	000000000	000000004	0000000000	000000000	0000000000	0 0 0 0 1 0 0 0	0 0 0 0 0 0 0	1 0 0 1 0 0 0 0 0 0 0	1 1 0 0 0 0 0 2 1	000000000000000000000000000000000000000	
11 12 13 14 15 16 17 18 19	000000000	000000000	0 0 0 0 0 0 0 0	0 0 1 0 0 0 0 0 0	0 0 0 0 0 0 0	000000000	0 0 0 0 0 0 0 0 0	000000000	001000000	0 0 0 0 0 0 0	0 0 1 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0	0000000000	0 0 0 0 0 0 0	00000000	0000000000	000000000000000000000000000000000000000	000000000	0000050000	000000000	0 0 1 0 0 0 0 0 0	0 0 1 0 0 0 0	000000001	0 0 0 0 0 0 0 0	000000000	
21 22 23 24 25 26 27 28 29 30	0000112000	0000000000	0 0 0 0 1 1 0 0 0 0	0 0 0 0 1 1 0 0 0 0	0 0 0 1 1 0 0 0 0	0 0 0 0 1 0 1 0 0 0	0 0 0 0 0 0 0	0 0 0 0 1 0 0	0000010000	00000	0 0 0 0 0 0 0 0	0000000000	00000000	0 0 0 0 0 0 0	0000000000	0000000004	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	000000000	000000000	000000000	000000000	0000000	0 0 0 0 1 1 0 0 0 0	0 0 0 0 1 0 0 0 2	
31 MEAN	0	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	
																				-		-		-	0.4	

PERCENTAGE OF DATA VALID - 99.6 PERCENTAGE OF DATA INVALID - 0.4

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEJS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNITS - 0.01 PARTS/MILLION

					-																				
	STAI	ION -	NE	NO 7	7017	196	ORGAN	SUDB	URY A	IRSHE	D					MONT	H - S	EP	77						
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 1	MEAN
1 2 3 4 5 6 7 8 9	000000000	000000000	0000000000	000000000	0000000000	000000000	0000000000	0000000000	000000000	0000000000	000000000	0 0 0 0 0 13 0 0	0 20 0 0 0 3 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0600000000	0500000000	000000000	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0	000000000	0 0 0 0 0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0 0	0 2 0 0 0 0 0 1 0 0 0
11 12 13 14 15 16 17 18 19	4	00000	0000000000	000000000	000000000	000000000	00000000	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	000000000	0	20000	0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 1 0	000000000000000000000000000000000000000	0000000	0 0 0 0 0 0 1 0	0 0 0 0 0 0 1 0	0000000000	0000000000	0000000000	00000000	0	000000000000000000000000000000000000000
21 22 23 24 25 26 27 28 29 30	0000000000	000000000000000000000000000000000000000	0 0 0 0 0 0 0 1 0	0 0 0 0 0 0 1 0	0 0 0 0 0 0 1 0	0 0 0 0 0 0	000000000	000000000	0 0 0 0 0 0 0 0	0000000000	00000000	000000000	000000000	• • • • • • • • • • • • • • • • • • • •	000000000	0 1 0 0 0 0 0 0 0 0	0 1 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 2 0 0 0 0 0 0 0	0 2 0 0 1 0 0 1 0 0	0 2 0 0 0 0 2 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0
MEAN	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0.1

PERCENTAGE OF DATA VALID - 97.9 PERCENTAGE OF DATA INVALID - 2.1 PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. *- INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POLL	UTANT	- 5	ULPH	UR DIO	XIDE							U	NITS	- 0.0	1 PAR	TS/MI	LLION	1						
	STAT	ION -	NE	NO	77017		MORGAN	SUDBI	JRY	AIRSHE	D					MONT	H - 0	CT	77						
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 N	
1 2 3 4 5 6 7 8 9	0000100000	0000100000	0000100000	000000000	0000000000	0000000000	000000000	000000000	000000000	000000000	000000000	000000000	0000000000	000001000	000000000000000000000000000000000000000	0 0 0 0 0 35 0 0 0	000000000000000000000000000000000000000	0000000000	2000000000	000000000	0000000000	000000000	000000000	000000001	0 0 0 0 0 0 0 0 0
11 12 13 14 15 16 17 18 19 20	000000000	0 0 0 0 0 0 0 0	000000000	0 0 0 0 0 0 0 0 0		0000000000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	000000000000000000000000000000000000000	000000400	000000600	000000700	000000600	1000000000	0 0 0 0 0 0	0 0 0 0 0 0 4 0 0	000000500	009000800	0 0 0 0 8 0 0	0 0 6 0 0 0 1 0 0	004000000	003000000	001000000	0000000000	0000000000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
21 22 23 24 25 26 27 28 29 30	0000000000	000000000	0000000000	000000000000000000000000000000000000000	0 0 0 0 0 0	000000000	0 0 0 0 0 0 0 0	000000000	000000000000000000000000000000000000000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0000000000	0 0 0 0 0 0 0 0 145 0	0 0 0 0 0 0 0 0 6 6	0 0 0 0 0 0 0 0 38	0 0 0 0 0 0 0 27 1	0 0 0 0 0 0 16 6	0 0 0 0 0 0 0 14 5	00000080	000000000000000000000000000000000000000	000000000	000000000	0000000000	000000000	000000000000000000000000000000000000000
31	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	О	0	0	0	0	0	1	0	0	0
MEAN	0	0	0	0	0	0	O	0	0	1		11	5	3	2	2	3	1	1	0	0	0	0	0	0.8

PERCENTAGE OF DATA VALID - 99.9 PERCENTAGE OF DATA INVALID - 0.1

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2, "-" INDICATES DATA IS UNAVAILABLE
 - 3. ****** INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

		1,000,000	0.00	0.11										911	2.1. 7. 84.7		LLLION								
	STATI	ON - NE	NO	77017	M	ORGAN	SUDB	URY A	IRSHE	D					MON	TH - 1	VOV	77							
HOUR	1	2	4	- 5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1 2 3 4 5 6 7	0000000	0 0 0 0 0 0 0 0 0 0	0 0 0 0 0	0000000	000000	0 0 0 0 0	0000000	000000	0 0 0 1	0 0 0 7 0 - 0	00000	0 0 0 0 0 0 0	0 0 0 13 0 0	0 0 0 6 0 2	0 0 0 0 0 5	0 0 0 0 0 17	0 0 0 0 0 11	0 0 0 0 0	0 0 0 0 0 8	0 0 0 0 0 6	0 0 7	0 0 0 0 0 2			0 0 0 0 2 0 3
9 10	0	0 0	0	0	0	0	0	0	0	0	0	0	0	1 0	0	0	0	0	0	0 2 0	1	1	0 2 0		0
11 12 13 14 15 16 17 18 19	0 0 0 0 0 0 0 0		0000000000	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0	000000000	000000000	00000000	0000000000	000000000	000000000	000000000	0 0 0 0 0 0 0 1	000000000	000000000	0 0 0 0 0 0 0 0 1	0 0 0 0 0 0 1	000000000	000000000	000000000	0000000000	000000000	000000000		000000000
21 22 23 24 25 26 27 28 29 30	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	000000000	000000000000000000000000000000000000000	000000000	0000000000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 1 0	000000000	000000100	00000000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 4 0 5	000000000000000000000000000000000000000	0 0 2 0 0 0 4 0 17	0 0 2 0 0 0 3 0 1	0 0 0 0 3	0 0 0 0 0 30 2	0 0 0 0 0 42 2 0 2	0 0 0 0 0 17 2	0 0 0 0 1 0 7 2 0 5	0 0 0 4 0 1 1 0	0 0 0 0 4 0 0 1 0 5		0 0 0 0 0 4 1 0 3
MEAN	0	0 0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	2	1	1	1	0	0	.5

PERCENTAGE OF DATA VALID - 98.5 PERCENTAGE OF DATA INVALID - 0.6 PERCENTAGE OF DATA UNAVAILABLE - 1.0

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. *-" INDICATES DATA IS UNAVAILABLE
- 3. "***** INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POL	LUTANT	- 5	ULPHI	UR DIO	KIDE							1	UNITS	- 0.0	1 PAR	TS/M]	LLION	4							
	STA	TION -	ΝE	NO	77017	N	MORGAN	SUDB	URY	AIRSHE	D					MONT	н - р	DEC	77							
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	. 19	20	21	22	23	24	MEAN	í
1 2 3 4 5 6 7 8 9	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0	0000030000	000000000000000000000000000000000000000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0	0 0 0 0	000000000	000000000000000000000000000000000000000	2 0 0 0 0 0	300000000000000000000000000000000000000	3 0 0 0 0 0 0 14 0	000000900	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 24 0 0	000000000000000000000000000000000000000	0 0 0 0 0 1 0 1 0 0	0 0 0 0 0 0 0 0	0000000000	0 0 0 0 0 0 0 0 0	000030000	000000000000000000000000000000000000000	0000500000	000000000000000000000000000000000000000		0 0 0 0 1 1 0 3 0 0
11 12 13 14 15 16 17 18 19	0029322122	0 1 5 2 3 1 0 2	0 5 1 5 2 3 1 0 2 8	0 3 1 4 2 3 1 0 6	0 3 1 4 2 3 1 0 12	0 5 1 7 3 3 2 0 9 3	0 3 1 7 2 3 2 0 5	0 1 7 2 3 1 0	0 2 2 6 2 4 1 0 1 2	0 2 2 4 2 5 1 0 2	0144341011	0 3 4 5 2 2 1 0	0 4 4 6 1 3 2 0 1 2	0 6 5 2 2 1 0 1 2	0 3 5 5 2 4 2 1	0 3 6 5 1 2 2 0 1 2	0 3 4 5 0 1 2 0 1 2	0 7 2 3 1 1 1 0	0 10 3 3 1 1 2 0	0 6 8 4 1 1 1 0	0 2 3 3 1 1 5 2 2	0 4 5 4 1 3 1 8 2 5	0 2 5 2 1 5 1 5 1 8	0 1 9 3 1 4 0 14 1		0 3 5 2 3 1 1 2 3
21 22 23 24 25 26 27 28 29 30	12 2 2 2 3 2 0 1 2 3	9 2 0 2 3 1 0 0 2 2	5 2 2 2 1 0 0 2 2	9 2 1 2 2 1 0 0 2 2	1 1 2 1 1 1 0 0 0 2 2 2	1 1 2 1 0 1 0 1 2 2	2 1 1 1 1 0 2 2 1	2 2 2 1 1 1 2 1 1	1 2 2 2 1 0 0 3 1 1	2 1 1 2 1 0 0 3 1 3	2 1 2 2 1 0 0 3 1 2	4 1 2 1 1 0 0 2 1 1	3 1 2 2 0 0 0 2 2 2	3 1 2 2 0 1 0 3 3 1	3 1 2 2 1 0 0 5 3 2	2 1 2 2 1 0 0 4 4 1	2 1 2 1 1 0 0 2 3 1	1 1 1 1 1 2 0 2 3	2 2 2 1 0 0 3 2 1	2 1 2 2 0 0 0 3 3 1	2 2 3 0 0 0 2 3 1	1 1 3 1 0 0 2 3 1	1 2 3 1 0 0 0 3 1	1 1 2 1 0 0 1 1 2 1		3 1 2 2 1 1 0 2 2 2
31 MEAN	1	1	1	2	2	2	1	1	1	1	1	2	2	2	2	2	1	1	1	1	1	2	2	2		1.5

PERCENTAGE OF DATA VALID - 99.9 PERCENTAGE OF DATA INVALID - 0.1 PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. "***** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1977

MONTHLY SUMMARY	F HOURLY AND 2-HOUR	LY DATA FOR 1977		
POLLUTANT - SULP	FUR DIOXIDE		UNITS - 0.01 PARTS/MILI	LION
STATION - NE NO	77017 MORGAN SU	DBURY AIRSHED		
MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	0.5	7	32
FEB	28	0.3	3	16
MAR	31	0.5	5	20
APR	30	0.3	3	19
MAY	26	0.3	4	31
JUN	30	0.1	1,	7
JUL	31	0.5	4	24
AUG	31	0.2	2	24
SEP	30	0.1	2	13
OCT	31	0.8	15	145
NOV	30	0.5	4	42
DEC	3.1	1.5	5	24
YEAR	360	0.5	15	145

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1977 UNITS - 0.01 PARTS/MILLION POLLUTANT - SULPHUR DIOXIDE STATION - NE NO 77017 MORGAN SUDBURY AIRSHED MONTH OD TO 04 05 TO 10 11 TO 14 15 TO 25 26 TO 39 40 BOVER TOTAL 725 10 JAN FEB MAR APR MAY JUN JUL AUG OCT NOV 6 2 DEC YEAR FREQUENCY DISTRIBUTION BY PERCENTILES CONCENTRATIONS MAX MEAN

0.0 0.0 0.0 0.0 0.7 1.8 4.4

98.3 0

8.2

0.5

														C14.T 1.73	0.0	JI PAP	(12/M	TEFFO	N .						
	STA	TION	NE	NO 7	77018	5	T. CH	ARLES	SUDI	BURY	AIRSH	D				MONT	TH - 1	JΔN	77						
HOUR	1	2	3	4	5	6	7	8	9	10	1.1	12	13	14	15	16	17	18	19	20	21	22	23	24 f	MEAN
1 2 3 4 5 6 7 8 9	000000000	000000000	00000000	000000000	000000000000000000000000000000000000000	00000000	000000000	0000000000	0 0 0 0 0 0 0 0	0 0 0 0 0 1 0 0 0	0 0 0 0 0 0 1 0	0 7 0 14 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0	0 3 0 0 0 0 0 0 0	0 2 0 0 0 0 0 0	0 0 0 4 0 2 0 0 0 0	0 0 0 16 0 0 0 0	0 0 0 3 0 1	0 0 0 0 0 0 0 0 1	0 0 0 0 0 0 0 0	000000300	0000000000	000000000	000000000	0 1 0 2 0 0 0 0 0 0
11 12 13 14 15 16 17 18 19 20	0 0 0 0 0 0 0 0 1	000000000000000000000000000000000000000	000000000	0 0 0 0 0 0 0 1	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	000000001	7000010001	8000-0000	2 0 0 0 0 0 0 0 0	000000000	0 0 0 0 0 0 0	1000000401	000000401	000000000000000000000000000000000000000	0 0 0 0 0 2 0 3	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0000000	0 0 0 0 0 0 0 1	0 1 0 0 0 0 0 0 1	020000010	0 3 0 0 0 0 0 0 1 0	0 4 0 0 0 0 0 0 1 0	0 3 0 0 0 0 0 1 0	0 0 0 0 0 0 0 1 0	0 0 0 0 0 0 1 0 1
21 22 23 24 25 26 27 28 29	0001300000	0 0 0 2 3 0 1 0 0 0	0 0 0 2 3 0 1 0 0 0	0 0 0 2 3 0 1 0 0 0	0 0 0 3 2 0 1 0 0 0	0 0 0 3 3 1 1 0 0 0 0	0 0 0 3 3 1 0 0 0	000320000	0 0 0 4 1 0 0 0 0	0 0 0 4 1 0 0 0 1 0	0004000000	0 0 0 3 1 1 0 0 3 0	0 0 0 4 3 0 0 0 1 0	0 0 3 2 0 0 1	0 0 0 4 1 0 0 1 4 0	0 0 1 4 0 0 0 0 0 0 0 0	0 0 2 4 0 0 0 1 0 0	0 0 0 0 19 0 0	0 0 2 3 0 0 0 14	0 0 2 4 0 0 0 5 0 0	0 0 1 3 0 0 1 0 0	0 0 1 3 0 0 0 0 0	0 0 1 3 0 0 0 2 0 0	0 0 1 3 0 0 0 2 0 0	0 0 1 3 1 0 0 2 1 0
31 MEAN	0	0	0	0	0	0	0	0	1	2	9	14	0	0	0	0	0	0	0	0	0	0	0	1	1
W.C.MIA	U	U	U	0	0	0	1	0	0	0	1	2	1	0	1	0	1	1	1	0	0	0	0	0	0.5

PERCENTAGE OF DATA VALID -100.0 PERCENTAGE OF DATA INVALID - 0.0 PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "." INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

	\$1	AFION	- NE	NO	77018		ST.	CHARLE	es suc	BURY	AIRSH	ED				MON	гн - г	EB	77						
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 1	MEAN
1 2 3 4 5 6 7 8 9	1 0 2 4 0 0 0 0 3 3 2 1	0 0 2 2 0 0 0 3 3 1	0 0 0 0 0 0 2 3 1	0 0 0 0 0 2 3 1	0 0 1 1 0 0 0 1 2 2	20000121	0 0 2 0 0 0 2 1	0 0 2 0 0 2 1	0 0 2 0 0 2 1	0 2 0 0 0 0 0 2 1	002000000000000000000000000000000000000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 1 0 0 3 0 0 3	0 0 0 0 5 0 1 4 1	0 0 0 0 6 3 1 3 2	0 0 0 7 21 2 3	0 0 1 0 0 2 5 2 2 1	0 1 0 0 0 16 2 3 2	0 1 0 1 0 0 13 2 2	0 2 0 1 0 0 6 2 2 5	0 2 1 0 0 0 3 2 2 3	0 1 7 0 0 0 2 2 2 3	0 1 1 0 0 0 2 2 1 2	0 1 1 0 0 0 2 2 1 1	0 0 1 0 0 1 3 1 2 2
11 12 13 14 15 16 17 18 19	2 1 0 1 1	20000	200000000000000000000000000000000000000	3 1 0 0 0	3 0 0 0 0 0 1 0 1 0 1	2 0 0 0 0 0 0 0 1 0 0 1	200000000000000000000000000000000000000	000000000000000000000000000000000000000	1 0 0 0 0 1 0 0 0	1 0 0 0 7 0 1 0	2 0 0 0 0 1	20300	0 0 0 0 1 0 3 0 0	4000000000	3 0 0 0 0 4 0 2 0 0	1 0 0 0 0 2 0 3 0 0	1 0 0 0 0 1 0 2 0 0	0 0 0 0 1 0 3 0 0	0 0 0 0 0 0 0 0 0 0 1	1 0 0 0 0 1 0 3 0 0	2000030300	1 0 0 0 0 2 0 1 0	1 0 0 0 0 1 0 3 0 0	2000010210	2 0 0 0 0
21 22 23 24 25 26 27 28	0 0 0 0 0 0	0000000	000000	0 0 0 0 0	0 1 0 0 0 0 0 0	0 0 0 0 0	000000	0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0 1	0 2 0 0 0 1	3 0 0 0 1 0 2	5 0 0 0 1	17 0 0 0 0 0	0000000	0 0 0 0 0 0	0000000	000000	0000000	0000000	00000000	0 0 0 0 0 0	0000000	00000000	0 0 0 0 0 0 0
MEAN	1	1	0	0	1	0	0	0	0	1	1	1	1	1	1	2	Ť	1	1	1	1.	1	1.	1	0.7

PERCENTAGE OF DATA VALID - 98.1 PERCENTAGE OF DATA INVALID - 1.9

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEJS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

	POLI	LUTANT	- S	ULPHU	B DIO:	KIDE							,	114113	0.0	, ra	12/11	LLLION								
	STAT	TION	NE	NO 7	7018	5.1	г. сн	ARLES	SUDB	URY A	IRSHE	ED				MON	TH - 1	AAR	77							
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1 2 3 4 5 6 7 8 9	00000000	0000000000	000000000	000000000	000000000	000000000	000000000	000000000	0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0	3 0 0 0 0 0 0 0 0 0	10 0 0 0 0 0 0 0	15 7 0 0 0 1 0 0	9 0 1 0 0 0 0 0 0	300000000	300000	5 0 7 0 0 0 0 20 0	7 0 7 0 0 0 3 0	009000000	0060000000	004000000	0 0 0 0 0 0 0 0	000000000	00000000		2020002000
11 12 13 14 15 16 17 18 19 20	000000000	000000000	0 0 0 0 0	000000000	0000000	000000000	0 0 0 0 0 0 0 0	0 0 0 0 1 0 0 0 0	0000000000	0 0 0 0 0 0 0 1 0	0 0 0 0 0 0 0 1 0	0 0 0 0 0 0 0 1 0	0 0 0 0 0 5 0 4 0	0 0 0 2 0 1 5 0	0 0 5 0 1 8 0	0 0 0 3 0 1 9 0 0 0	000015	0 0 0 5 0 2 1 0 0 0	0 0 0 1 0 0 0	0 0 1 0 2 0 0	0000012000	0 0 0 0 1 0 0 0 1	000000003	00000000		0 0 0 2 0 1 2 0 1 0
21 22 23 24 25 26 27 28 29 30	5 0 0 0 0 1 0 0 0	2 0 0 0 0 0 0 0 0 0	000000000	00000000	000000000	000000000	0 0 0 0 0 0 0 0	000000000	2000000000	4 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0	1 0 0 0 0 0 0 0 0	4 0 0 0 0 0 0 0 0	4 0 0 0 0 0 0 0 0	4000000000	600000000	200000000	1000000000	0000000000	1000000000	000000000	000000000	0000000000	000000000000000000000000000000000000000		2000000000
31 MEAN	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	2	1	0	0	0	0	0	0		0

PERCENTAGE OF DATA VALID - 99.9 PERCENTAGE OF DATA INVALID - 0.0 PERCENTAGE OF DATA UNAVAILABLE - 0.1

NOTES 1. ****** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ******* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POLI	UTANT	- S	ULPHI	JR DIO	XIDE							L	INITS	- 0.0	DI PAR	RTS/MI	LLION	4						
	STAT	TION -	ΝE	NO '	77018	S	T. CH	ARLES	SUDB	URY	AIRSHE	D				MONT	гн - д	PR	77						
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 M	EAN
1 2 3 4 5 6 7 8 9	0000030000	0 0 0 0 0 0 0 0 0	0000040000	0000060000	0 0 9 0 0 0	0000000000	0040010000	0 0 2 0 0 7 0 0 3 0	0030050070	000000000000000000000000000000000000000	0000000000	0000000000	0 0 0 0 0 0 26 0	0 0 0 0 0 0 4 0	0 0 4 0 0 2 0 0 1 0	0 0 0 0 1 0 0 1 0	000000000	0020040300	0 0 2 0 1 0 0 2 0 0	0 0 1 0 2 0 0 0 0	0 0 1 0 2 0 0 0 0	0000100000	000000000000000000000000000000000000000	0 0 0 0 0 0 0 0	0 0 1 2 0 0 3 0
11 12 13 14 15 16 17 18 19 20	000000000	0 0 0 0 0 0 1	0 0 0 0 0 0 0 0	000000000	000000000	000000000	0000000000	000000000	0030600000	0 0 0 0 0 0 0 0	000000000	00000000	00000000	0 0 4 0 0 0 1 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 3 3 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	00000000	000000000	0 0 0 0 0 0 1 0	000000000000000000000000000000000000000	0 0 0 0 0 0 1 0	0 0 1 0 0 0 0 0 0
21 22 23 24 25 26 27 28 29 30	000000000	0 0 0 0 0 0 0 0	000000000	000000000	0 0 0 0 0 0 0 0 0 0	0000000000	00000010	000000000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	000000000000000000000000000000000000000	0000030040	0 0 0 0 4 0 0 1 0	0 0 0 0 0 0 5 0	0 0 0 0 2 0 0 7 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	00000000	000000000	000000000	0 0 0 0 0 0 1 0 0	0 0 0 0 0 0 0 0 0 0	000000000000000000000000000000000000000	000000000	0000000000	0 0 0 0 0 0 0	0 0 0 1 0 0 1 6
MEAN	0	0	0	D	0	0	0	0	1	1	0	0	1	1	1	0	0	0	0	0	0	1	0	0	0.4

PERCENTAGE OF DATA VALID -100.0 PERCENTAGE OF DATA INVALID - 0.0 PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. *- * INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - SULFHUR D .XIDE

UNITS - 0.01 PARTS/MILLION

														100	550 100										
	STA	MOIT	- NE	NO	77018	5	т. СН	ARLES	SUDE	BURY	AIRSHE	D				MONT	H - N	YAY	77						
HOUR DAY	1	2	ż	4	5	6	7	8	9	10	1.1	12	13	14	15	16	17	18	19	20	21	22	23	24 M	EAN
1 2 3 4 5 6 7 8 9	000000000	00000000	00000000	000000000	000000000	000000000	0 0 0 0 0 5 0 0	000000000000000000000000000000000000000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 2 0 0 0 0 0 0 0	050000000	050000000	0400020000	0100032000	0100000000	00000-000	000001000	000000000	000000000	000000000	000000000	000000000	00000000000	0 0 0 0 0 0 0 0
11 12 13 14 15 16 17 18 19	00000000	000000000	00000000	000000000	0 0 0 0 0 0 0 0 0	000000000	000000000	00000000	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0000200090	0 0 0 0 0 0 9 0	0 2 0 0 1 0 0 0 6 4	0 0 0 0 0 0 2 19	000000000	000000000	000000000	000000000	000000000	0000000000	0000000000	000000000	000000000	000000000000000000000000000000000000000	0000
21 22 23 24 25 26 27 28 29 30	0000000000	000000000	0 1 0 0 0 0 0 0 0 0	000000000	000000000	000000000	000000000	000000000	000004000	000004000	0 0 0 0 0 7 4	000000000000000000000000000000000000000	0000000000	00000000000	0 0 0 0 0 1 0 0 0	000000000	000000000	000000000	000000000	000000000	0000000000	200000000000000000000000000000000000000	0 0 0 0 0 0 0 0	000000000	0 0 0 0 0 0 0
31 MEAN	0	0	0	0	0	0	0	0	0	0	0	0	D 1	0	0	0	0	0	0	0	0	0	0	0	0 0.2

PERCENTAGE OF DATA VALID - 99.7

PERCENTAGE OF DATA INVALID - 0.0

PERCENTAGE OF DATA UNAVAILABLE - 0.3

NOTES 1. ****** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "." INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

POLLUTANT - SULPHUR DIOXIDE UNITS - 0.01 PARTS/MILLION STATION - NE NO 77018 ST. CHARLES SUDBURY AIRSHED MONTH - JUN 77 HOUR 24 MEAN 2 3 4 5 6 7 8 9 12 13 14 15 16 17 18 19 20 00-0000000 17 0 0 0 0 0 0 0 0 0 22 23 24 25 26 27 28 29 30 00-0030000 MEAN 0.2

PERCENTAGE OF DATA VALID - 99.9

PERCENTAGE OF DATA INVALID - 0.1

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. ****** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE
 - 2. "-" INDICATES DATA IS UNAVAILABLE
 - 3. ******* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNITS - 0.01 PARTS/MILLION

	PU	POLLUTANT - SULPHUN DIOXIDE												UNITS - U.U. PARIS/MILLION											
	ST	STATION - NE NO 77018 ST. CHARLES SUDBURY AT									AIRSH	ΕD				MON	MONTH - JUL 77								
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1 2 3 4 5 6 7 8 9	0 0 0 0 0 0 1 1	0 0 0 0 0 0	0 2 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 1 0 0 0	000000000	000000000	000600000	00000000	000000000	000200000	0 0 0 0 0 0 0 0	0 8 0 0 0 0 0 0 0 0 0 0 0 0	0 13 0 0 0 0 0 0 0 0 0 0	0 2 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0	000000000	000000000000000000000000000000000000000	00000000	0000000000	00000000	0 0 0 0 0 0	000000000000000000000000000000000000000	0 1 0 0 0 0 0 0 0 0
11 12 13 14 15 16 17 18 19 20	0 3	0 0 0 0 0 0 0 0	000000000000000000000000000000000000000	0 4 1 1	000000000000000000000000000000000000000	0 1 **** 0 2 0 0 1	000000000000000000000000000000000000000	000000000000000000000000000000000000000	000000000000000000000000000000000000000	000000000000000000000000000000000000000	0 0 0 5 1 0 0	000	0 0 DATA **** 2 2 2 2 1 0	1 NVAI	ID - 804 200	0 6 0 6 2 0 0	0 5 0 6 1 0	0 3 0 4 1	0 1 0 2 1 0 0	0 1 0 1 1 0 0	2 2 2 0 1 2 0	0 2 0 1 2 0	1 0 0 0 1 0	0 3 0 0 1 0 2	1 0
21 22 23 24 25 26 27 28 29 30	1 2 1 0 0 0 3 1 0 0	0 2 1 0 0 0 2 1 0 0	0 2 1 0 0 0 2 2 2 0	2 1 0 0 0 2 2 2 0	0 1 0 0 0 1 3 2 0 0	0 1 1 0 0 2 3 1 0 0	000000100	000000000	000000000	000000000	0000000000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0000000	0	0 0 0 0 0 0 0 0 0	0000000	000000000	000000000000000000000000000000000000000	00000000000	000000000000000000000000000000000000000	0 1 0 0 1 0 1 1 2	0 1 0 0 1 3 0 0 1 3	0 1 0 0 0 3 0 0 0 1	0 2 0 0 0 3 0 0 0 0	1 0 0 0 1 1 1 0 0
31 MEAN	3	3	0	1	0	0	0	0	0	0	0	0			1	1	0	0	0		0	1	0	1	0.4

PERCENTAGE OF DATA VALID - 92.6 PERCENTAGE OF DATA INVALID - 7.4

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- *** INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

POLLUTANT - SULPHUR DIOXIDE UNITS - 0.01 PARTS/MILLION STATION - NE NO 77018 ST. CHARLES SUDBURY AIRSHED MONTH - AUG 77 HOUR 7 8 11 12 13 14 15 16 17 20 21 22 23 24 MEAN 3 4 5 6 7 8 9 10 ò 2 0 0 1 0 0 -0040000 0 0 1 12 13 14 15 16 17 18 19 0 0 0 0 1 22 23 24 25 26 27 28 0 9 0 0 0 1 10 6 2 0 0 0 30 n 0.7 MEAN

PERCENTAGE OF DATA VALID - 99.6

PERCENTAGE OF DATA INVALID - 0.4

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- *- " INDICATES DATA IS UNAVAILABLE
- 3. ******* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - SULPHUR DIA-LUE

UNITS - 0.01 PARTS/MILLION

	STA	TION	NE	NO 7	7018	ST. CHARLES SUDBURY AIRSHED								MONTH - SEP 77											
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 M	AN
1 2 3 4 5 6 7 8 9	0 2 2 1 0 0 0 0 0 0	0 0 1 1 0 0 0 0 0 0	1000000	000000000	0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0	000000000000000000000000000000000000000	0 0 0 0 0 0 0 0 1 0	000000000000000000000000000000000000000	000000000000000000000000000000000000000	0000000000	00000000000	400000000	6 0 0 0 1 0 0 1 0	4000000000	0010050010	0020040000	0 0 0 0 0 0 0	012000000	1 2 2 0 0 0 2 2 0 0	2 2 0 0 1 2 2 0 0	0 0 0 0 1 1 0 0	0 2 1 0 0 0 0 1 0 0	100000000000000000000000000000000000000
11 12 13 14 15 16 17 18 19	000000010	0 - 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 2 2 0 1 0 0	0 0 0 0 0 0 0 0	0000000000	00001001	000000000000000000000000000000000000000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 2 0 0 0 0 0 2 2 0	0 0 0 0 0 0 2	070000100	0400000000	0 2 0 0 0 0 0 0	6 0 0 0 0 0 1 0 0	2000000000	0000000500	000000000	0 0 1 0 0 0 3	0000100300	0 0 0 1 1 0 0 2 0 0	0 1 0 1 0 0 0	1 0 0 1 1 0 0 2 0 0	0 0 1 1 0 0 2 0 0	0 0 0 0 1 0 0
21 22 23 24 25 26 27 28 29 30	000000010	0000000000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0000000000	0 0 0 0 0 0 0 0 0	000000000	000000	000000000000000000000000000000000000000	000000000000000000000000000000000000000	00000000000	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0000005000	0 0 0 0 0 0 0 0	000000000	000000000	0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	000000000000000000000000000000000000000	0000000000	000000000000000000000000000000000000000
	-	-			-	-	-	-			,		•			٠	•				U	v		•	0.3

PERCENTAGE OF DATA VALID - 99.7 PERCENTAGE OF DATA INVALID - 0.3

PERCENTAGE OF DATA UNAVAILABLE . O.O.

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. *- INDICATES DATA IS UNAVAILABLE
- 3. "***** INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POLLUTANT - SULPHUR DIOXIDE													UNITS - 0.01 PARTS/MILLION											
	STATION - NE NO 77018 ST. CHAR						ARLES	SUDE	BURY	AIRSHE	D		MONTH - DCT					77							
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	. 19	20	21	22	23	24 M	EAN
1 2 3 4 5 6 7 8 9	010012000	010020000	010020000	0 0 0 0 0 0 0	000000000	000000000	0 0 0 0 0 0 0 0 0	000000000	000000000	00000000	0000000000	000000000	000000004	000000007	0000000000	0006000000	0008000000	0 0 4 0 0 0 0 0 0	000000000	0000000000	000000010	000000000000000000000000000000000000000	000000000	0 0 0 0 0 0 0	0 0 1 1 0 0 0 0 0
11 12 13 14 15 16 17 18 19	00000000	000000000	000000000	000000000	000000000	0 0 1 0 0 0 0 0	000001000	000000000	0000000000	00001000	0 0 0 0 0 0	0 16 0 0 0 0 1 0 0	090000001	040000000	020000000	0 2 0 0 0 0 4 0 0 0	0 4 0 0 0 0 5 0 0 0	0 8 0 0 0 0 2 2 0 0	0 0 0 0 0 2 1 0 0	0 0 0 0 0 1 0 0 0	0 0 0 0 0 1 0 0 0	0 3 0 0 0 0 0 0 0 0	0 2 0 0 0 0 0 0 0	0 0 0 0 0 0 1 0	0 2 0 0 0 0 0 0
21 22 23 24 25 26 27 28 29	1 0 0 0 0 1 0 0 0 0	000000000	000000000	0 0 0 0 0 0 0	000000000000000000000000000000000000000	000000000	000000000	000000000	000000000	0 0 1 0 0 0 0 0	200020000	2010200000	0000100000	000000000	000000000	0000000000	000000000	0000000	0000000000	00000000000	0000000000	0001000000	000000000	0000000000	0000100000
31 MEAN	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	1	0	0	0	0	0	0	0 0.2

PERCENTAGE OF DATA VALID - 99.9

PERCENTAGE OF DATA INVALID - 0.1

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LE-S THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNITS - 0.01 PARTS/MILLION

	STA	TION	NE	NO 7	7018	5	т. сн	ARLES	SUDE	BURY	AIRSHE	D				MON1	H - N	VO	77						
HOUR	1	2	3	4	5	6	7	В	9	10	1.1	12	13	14	15	16	17	18	19	20	21	22	23	24 M	EAN
1 2 3 4 5 6 7 8 9	0 0 1 0 0 0 0 0 0	0 0 1 0 0 0 0 0 0	0 0 0 0 0 0 0 0	000000000000000000000000000000000000000	000000000	000000000	0000000000	000000000	0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	000000000000000000000000000000000000000	0 0 1 0 0 0 0 0 0	0 1 1 0 0 0 0 0 0	1 0 0 0 0 0	0 0 0 0 0 0 0 0	0000000000	0000000000	0000000000	0 0 0 1 1 2 0 0 0 0	000000000	000000000000000000000000000000000000000	0 0 1 0 0 0 0	0 1 1 0 0 0 0 0 0 0	0 1 1 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
11 12 13 14 15 16 17 18 19	000000000	0 0 0 4 0 0 0 0 0	0 0 0 0 0 0 0 0	0005000000	0 0 0 0 0 0 1 0	0003000000	0 0 0 0 0 0 0	000000000	0 0 0 0 0 0 0	0 0 0 1 0 0 0 1 2 0	0 0 0 0 0 0 0 2 2	000000000000	0 0 0 0 0 0 0 0 0	000000100	000000000000000000000000000000000000000	0 0 0 0 0 0 2 3 0	000000120	00000000	000000000000000000000000000000000000000	0000000000	0 0 2 0 0 0 0 0 1 0	0000000400	0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 1 0 0 0 1 1 0 0
21 22 23 24 25 26 27 28 29	000000000	0 0 0 0 0 2 1 0 0 0	0 0 0 0 2 1 0	0 0 0 0 0 2 2 0 0 0	0 0 0 0 0 0	0000000000	000000000	00000000	0 0 0 0 0 0 0 0 0	0 0 0 0 1 0 0 0 1	0 0 0 0 0 0 0 0 0 2	0 0 0 0 0 0 0 2	0 5 0 0 0 0 0 1	0 5 0 1 0 0 0 0 1	050000001	0 4 0 0 0 0 0 0 1	0 2 0 0 0 0 0 0 0 1	00000000	0 2 0 1 0 0 0 0 0	0 1 0 0 0 0 0 0 0 0	010200000	0 0 0 0 0 0 0	000000000	0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0.2

PERCENTAGE OF DATA VALID - 99.9 PERCENTAGE OF DATA INVALID - 0.1

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

UNITS - 0.01 PARTS/MILLION POLLUTANT - SULPHUR DIOXIDE STATION - NE NO 77018 ST. CHARLES SUDBURY AIRSHED MONTH - DEC 77 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 MEAN HOUR DAY 0 0 6 12 0 0 0 0 18 0 2 0 2 12 13 14 15 16 17 18 ...0 22 23 24 25 n MEAN 1.1

PERCENTAGE OF DATA VALID - 99.7

PERCENTAGE OF DATA INVALID - 0.3

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1977

HOMENIET SOMMER	OF HOUSE FIND 2-HOUSE	T DATA FOR 1977		
POLLUTANT - SU	LPHUR DIOXIDE		UNITS - 0.01 PARTS/MILLI	ION
STATION - NE	NO 77018 ST. CHARLE	S SUDBURY AIRSHED		
MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
Ja.,	31	0.5	3	19
FEB	27	0.7	3	21
MAR	31	0.4	2	20
APR	30	0.4	3	26
MAY	31	0.2	1	19
JUN	30	0.2	1	17
JUL	28	0.4	2	13
AUG	31	0.7	2	19
SEP	30	0.3	ıı .	10
OCT	31	0.2	2	16
NOV	30	0.2	1	5
DEC	31	1,1	3	18
YEAR	361	0.4	3	26

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1977

POLLUTANT .	SULPHUR I	DIOXIDE				UNITS . (D.O1 PARTS/	ILLION		
STATION -	NE NO 77	D18 ST.	CHARLES :	SUDBURY AT	RSHED					
MONTH	00 TO 04	05 TO 10	11 TO 14	15 TO 25	26 TO 39	40 SOVER	TOTAL			
JAN	732	7	3	2	0	0	744			
FEB	646	8	1	4	0	0	659			
MAR	720	19	1	3	0	0	743			
APR	703	16	0	0	•	0	720			
MAY	732	8	1	í	0	0	742			
JUN	710	7	1	1	0	0	719			
JUL	679	9	1	0	0	0	689			
AUG	716	22	2	1	0	0	741			
SEP	710	8	0	0	0	0	718			
OCT	735	7	0	1	0	0	743			
NOV	714	5	0	0	0	0	719			
DEC	718	18	4	2	0	0	742			
YEAR	8515	134	14	15	1	0	8679			
FREQUENCY		ION BY PERC	ENTILES							
	PERCENT OF DATA			FREO	CONCENUENCY DISTR	ITRATIONS	PERCENT			ARITH
	VALID	MIN	10	30 5		90		98 99	MAX	MEAN
	99.1	0	0.0	0.0 0.0	0.0	1.1	2.0 3.	9 6,1	26	0.4

POLLUTANT - SULPHUR DIOXIDE UNITS - 0.01 PARTS/MILLION

														ONTICS	0.1	эт РД	KIS/M	ILLIGA	4						
	STA	TION -	NE	NO	77019	(GRASSY	LAKE	SUDB	URY	AIRSH	ED				MON	тн - 1	YAN	77						
DAY	1	2	3	4	5	6	7	В	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1 2 3 4 5 6 7 8 9	2 0 1 0 1	2 0 1 0 1	3 0 1 0 1	3 0 1 0	3 0 1 0	2 0 0 0 0	3 0 0 0 0	. 0 0 0 0 0 0	. 0 0 0 0 0	00000	. 0 0 0 0	- DAT	A UN	AVAILA AVAILA AVAILA O O O 1 O	ABLE .		20000	4 0 0 0 0 0	500000	2 0 1 0 0 1	2 0 1 0 1 1	2 0 0 0 0 0 1	2 0 0 0 0 1	2 0 1 0 0 0	1 0 0 0
11 12 13 14 15 16 17 18 19	1 3 1 1 0 1 4 2 1 2	1 2 1 1 0 1 3 1 1 2	1 1 0 2 0 1 1 1 1 2	1 1 3 0 1 1 1 1 2	1 0 1 2 0 0 1 1 2 2 2	1 1 1 1 1 1 1 1 2	1 0 0 2 0 0 0 1 1	2 0 0 1 1 5 0 1 1 2	2 0 0 1 1 3 2 0 1 2	1 0 0 1 1 7 1 0 5 2	1 0 0 1 8 0 0 6 2	1 0 0 0 2 11 0 0 5	1 0 0 0 1 13 0 4 2	1 0 0 20 7 0 0 3	1 0 0 13 17 1 0 2 3	1 0 0 0 11 6 2 0 2 2 2 2 2 2	1 0 0 17 5 3 0 2	1 0 0 0 11 3 0 0 5	1 0 0 1 2 2 1 0 8	7 0 1 1 2 1 2 1 4 2	7 0 1 1 0 2 2 1 3	5 0 1 1 0 2 2 0 2 2	5 0 1 1 3 2 0 2 1	3 0 0 1 0 4 2 1 2	2 0 0 1 4 4 1 1 3 4
21 22 23 24 25 26 27 28 29 30	2 2 4 1 1 1 1 1 1 1 1	1 2 2 1 1 1 1 1 0	2 2 1 1 1 1 1 1 1 0	1 1 1 1 1 0 1	2 2 1 0 1 1 1 0 0 0	2 4 2 0 4 2 1 0 1	2 1 5 5 0 4 0 5 0 3	2 0 4 3 0 3 0 2 0 1	1 0 6 3 1 4 0 1	2 0 1 3 1 2 1 1 0 1	3 0 1 5 1 3 1 1 0	9 1 2 1 0 1	1 0 2 5 1 2 1 1 0 1	1 0 3 2 1 2 1 1 0 0	0 0 3 0 1 2 2 1 0 1	0 0 3 0 2 1 2 1 0 0	0 0 1 1 1 0 0 1	0 0 1 0 2 2 1 1 1 2	0 0 1 1 1 2 1 1 0 6	2 1 2 2 1 1 2 0 1 5	2 1 2 2 1 1 0 0 5	3 2 2 1 1 0 0 3	3 2 3 1 1 1 0 0 2	3 1 5 1 1 0 1 0 1 1	2 1 2 1 1 0 2
31 MEAN	1	0	0	1	1	0	1	1	0	1	1	1 2	1	1	1	0	0	0	1	1	1	1	1	1	1
			,	,					3	,	,	2	1	2	2	2	2	2	2	2	1	1	1	1	1.4

PERCENTAGE OF DATA VALID - 85.5 PERCENTAGE OF DATA INVALID - 0.0 PERCENTAGE OF DATA UNAVAILABLE - 14.5

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. *- INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEJS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POLLUTANT - SULPHUR DIOXIDE													INITS	- 0.0	1 PAR	TS/MI	LLIO	N						
	STAT	ION -	NE	NO	77019		GRASSY	LAKE	SUDB	URY	AIRSH	ED				MONT	H - J	UN	77						
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	. 19	20	21	22	23	24 ME	ΔN
1 2 3 4 5 6 7 8	1 0 0 2 1 2 0 0 0 1	0 0 0 2 1 3 0 0 1	0 0 0 1 1 2 0 0 0 2	0 0 0 1 1 2 0 0 0 1	1 0 0 1 1 7 0 0 0 1	0 0 0 1 1 2 0 0 0 1	000000000	000000000	000000000	0 0 0 2 0 0 0 0 0	00000000	5 0 0	0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 4 1 0 0 0 0	0 0 0 8 1 0 0 0 0	0 0 0 7 1 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0	0 0 2 2 1 0 0 0 0 3	0 0 19 0 1 0 0 0 1 4	0 20 0 1 0 0 0	0 9 0 1 0 0 0	0 1 2 0 1 0 0 1 3	0 1 5 1 0 0 0 0	0 0 2 2 1 1 0 0 0 1
11 12 13 14 15 16 17 18 19 20	2 0 1 1 1 2 1 1 3 0	1 0 1 1 1 1 0 1	2 0 1 2 1 2 0 1 0 0	1 0 1 1 1 2 0 1 0 0	2 0 1 1 1 1 0 1 0 0	1 1 2 2 1 0 0	0 0 1 1 1 1 1 0 0 0 2	0 0 1 1 0 0 0 2	0 0 1 0 0 0	3 0 1 0 0 0 0 0 0 2	17 0 1 1 0 0 0 0	2 0 1 0 0 0 0 0 1	1 0 0 0 0 1 0 0 1	1 0 1 0 0 0 0 0 0 0	1 0 0 0 0 0 0 0 0 0	2010003000	2 0 2 0 0 1 2 0 0 0	2 1 2 0 0 1 2 1 0 1	2 1 2 1 0 1 1 1 0	1 1 1 0 0 1 0 0 0 0	2 2 2 1 1 0 0 1	0 1 1 2 1 1 1 0 0	0 1 1 2 2 1 2 5 0	0 1 1 1 2 1 1 5 0 1	2 0 1 1 1 1 1 1 1 1 0 1 1
21 22 23 24 25 26 27 28 29 30	1 1 1 1 1 1 1 0 0 0	1 0 0 2 1 0 1 1 1 0	1 1 0 2 1 1 1 1	1 1 0 3 1 1 1 1 1 0	0 1 1 2 1 0 1 1 1 1 1	0 1 1 1 1 1 1 1 0	0 0 1 0 1 1 0 0 0 2 0	0 0 1 0 0 0 1 0	0 0 1 0 0 0 1	0 0 0 0 0 1 0 1	0 0 0 0 0 1 0 1 1 1 1 1 1 1 1 1 1 1 1 1	1 0 1 0 0 1 4 1 0 4	0 0 3 1 2 0 3 0 0 1	0 0 12 4 3 0 5 0 3	0 0 12 8 2 0 4 0 1	0 1 1 8 1 0 6 1	0 1 3 2 1 2 5 1 0	0 1 3 1 1 5 1 1 0 0	1 0 1 0 1 1 0 0 0 0	1 0 1 1 6 2 1	1 1 1 1 2 0 0 0	1 1 1 1 1 1 1 0 0 0 0	1 1 1 1 1 0 0 0	1 1 1 1 1 0 0 0 0	0 1 2 2 1 1 1 1 1 1 1
MEAN	1	1	1	1	1	1	0	0	0	0	1	1	1	1	1	1	1	3	1	1	2	1	1	1	0.9

PERCENTAGE OF DATA VALID - 99.4 PERCENTAGE OF DATA INVALID - 0.6

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNITS . O. O1 PARTS/MILLION

																		2.2.2							
	STA	MOITA	· NE	NO 7	77019		GRASSY	LAKE	SUDBI	JRY	AIRSH	ED				MON	гн -	JUL	77						
DAY	1	2	3	4	5	6	7	В	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 N	1E A N
1 2 3 4	0 1 0	0 0 0	0 0 0	0 0 1	0 1 1	0 0 1	2 0 1	6 0 1	5 0 0	0 0 0	0 0	0 0 1	0 0	0	0 0 0 3	0 1 0 7	1 1 1 8	2 1 1	1 1 1 3	0 5 0 2	0 3 0 3	0 1 0 3	0 1 0 2	0 1 0 2	1 0 2
5 6 7 8 9	1 3 2 1 2 1	3 2 2 1 1	2 2 1 1	2 1 2 1 1 1	1 1 1 0 0	3 - 2000	2 1 0 0	0 1 0 2 0 0	0	1 0 1	1 0 1	1 0 1	0 1 0 1 1 2	1 0 1 1 2	1 0 2 1 1	1 1 1 2 1	1 1 2 1 1	1 1 2 2 1	2 1 2 1 1	2 2 2 2 1	2 2 3 2 1	2 2 3 2 1	2 3 3 1	2 3 3 1	1 1 2 1 1
11 12 13 14 15 16 17 18 19	1 2 1 1 1 0 1 0 0	1 1 2 1 1 1 1 0 1 0 0	1 1 1 1 1 1 0 0	0 0 1 1 1 2 1 1 0	0 0 1 1 1 2 0 1 0 0 0	0 0 1 1 1 1 1 0 0	1 0 0 1 3 1 3 1 4 1	1 0 0 1 3 1 3 1 8	1 0 0 1 4 2 1 1 4 2	1001221124	1 0 0 8 1 2 1 3 23 5	1 1 5 1 3 1 5 8	1 1 1 6 2 9 1 1 4 5	1 1 4 2 2 1 1 1 3	1 1 1 2 8 1 1 1 7	1 1 2 2 1 1 1 3	1 1 1 2 5 1 1 1 0	1 1 1 2 10 1 1 1	1 1 1 2 3 1 1	1 1 2 1 1 2 0 3 1	0 1 0 1 1 0 2 1 2	0 1 0 1 1 1 1 0	0 1 0 1 1 1 0 0	0 1 1 1 1 1 1 0	1 1 2 2 3 1 1 3 2
21 22 23 24 25 26 27 28 29	0 0 0 1 0 0 2	0 0 0 0 0 0 5	0 0 0 0	0 0 0 0 0	0 0 0 0 0 0	0000000	0 0 0	0000000	0 0 0 4 0 0 0 0	0 0 1 2 0 0 0 0	0 3 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0	0 0 2 0 0 0 0 UN	0 0 2 0 0 0 0 0 0 4 4 4 4 4 4 4 4 4 4 4	0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 1 0	0 0 0 0 0 1 0	0 0 1 0 0 10 0	0 0 5 0 0 0 9 0	0 3 0 0 7	0 0 0 0 0 0 1	0 0 8 0 0 1	0 0 1 0 0 1 -	0 0 2 0 0 0 1 0
31 MEAN	1	1	,	1	0	0	1	1	1					AVAILA											
	100	18.1	- 3		U	10	- 1	1	1	1	2	1	1	1	1	1	1	2	1	2	1	1	1	1	1 1

PERCENTAGE OF DATA VALID - 89.2

PERCENTAGE OF DATA INVALID - 0.7

PERCENTAGE OF DATA UNAVAILABLE - 10.1

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

POLLUTANT - SULPHUR DIOXIDE UNITS - 0.01 PARTS/MILLION STATION . NE NO 77019 GRASSY LAKE SUDBURY AIRSHED MONTH - AUG HOUR 12 13 14 15 16 17 18 19 20 21 22 23 24 MEAN DAY - DATA UNAVAILABLE - DATA UNAVAILABLE DATA INVALID 6 7 8 0 0 0 0 1 12 13 14 15 16 17 18 19 20 1 2 1 2 22 23 24 25 0 0 0 0 27 D D MEAN 0.5

PERCENTAGE OF DATA VALID - 88.3

PERCENTAGE OF DATA INVALID - 3.6

PERCENTAGE OF DATA UNAVAILABLE - 8.1

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. "***** INDICATES LEJS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNITS - 0.01 PARTS/MILLION

	STA	TION	N.E.	NO	77019		GRASS	Y LAKE	SUDE	URY I	IRSH	ED				MONT	гн - :	SEP	77						
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 MI	EAN
1 2 3 4 5 6 7 8 9	0 0 0 0 0 0 0 13	0 0 0 0 0 0 3	0 1 1 0 0 1 0 0 0 2	0 1 1 0 0 1 0 0 0 3	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 1 0 0 0 1 0 0 5	0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 0 0 0 0 0 0 0 0	NOONOO000	200600000	000200000000000000000000000000000000000	0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0	0 0 0 1 1 0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	000000000000000000000000000000000000000	1 0 0 0 0 0 0 0 1 8 0	1 0 0 0 0 0 0 1 5 0	000000000000000000000000000000000000000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 1 1
11 12 13 14 15 16 17 18 19	0 0 0 1 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 1 0 0 0	0 0 0 0 1 1 0 0 0	0 0 0 1 1 0 0 0	0 0 0 0 1 1 0 0 0	0000010000	000000000000000000000000000000000000000	0 0 0 0 0 0 0 1 0	0 0 0 0 0 0 1 0	0 0 0 0 0 0 1 0		00000000	00000000	000000000	000000000	0 0 0 0 1 1 0 0	0 0 0 0 1 1 0 0	0 0 0 0 1 1 0 0	0 0 0 0 1 1 0 0	0 0 0 0 0 2 1 0 0	0 1 1 0 0 0 2 1 0 0	0 1 1 0 0 0 1 0 0	0 1 1 0 0 0 1 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
21 22 23 24 25 26 27 28 29 30	0000000000	0000000000	0 0 0 0 0 0 0 0 0 0	000000000	0 0 0 0 0 0 0 0 0 0	000000000	000000000	0 0 0 0 0 0 0 0	000000000	000000000	0 0 0 0 0 0 0 0 0 0	000000000	000000000	000000000	00000000	000000000000000000000000000000000000000	0 0 0 0 0 7 0	0 0 0 0 0 0 1 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	000000000	000000000	00000000	000000000000000000000000000000000000000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
MEAN	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2

PERCENTAGE OF DATA VALID - 99.2 PERCENTAGE OF DATA INVALID - 0.8

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POLL	UTANT	- S	ULPH	UR DIO	IDE							ı	UNITS	- 0.0	1 PAR	RTS/MI	LLIO	4						
	STAT	ION -	ΝE	NO	77019	G	RASSY	LAKE	SUDBL	RY	AIRSH	ED				MONT	TH - 0	CT	77						
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23		MEAN
1 2 3 4 5 6 7 8 9	000000000	000000000	000000000	000000000	0 0 0 0 0 0 0 0	000000000	0 0 0 0 0 0 0 0	0000000000	000000000	000000000	000000000	000000000	000000000	000000000	000000000	0 0 0 0 0 0 0 10 6	0 0 0 0 0 0 7 0	000000000000000000000000000000000000000	000000000	000000000	000000000	0 0 0 0 0 0 0 1	000000000	000000000	0 0 0 0 0 0 1 0
11 12 13 14 15 16 17 18 19	00000000	000000000	000000000	00000000000	000000000000000000000000000000000000000	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0	040000000	0 8 0 0 0 0 0 0 0	0500002000	000004000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	00000000	000000000000000000000000000000000000000	0000000	0 0 0 0 1 0	200000030	000000000000000000000000000000000000000	0 0 0 0 0 0 1 0 0	4 0 0 0 0 0 0 0	000000000000000000000000000000000000000	00000000	000000000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
21 22 23 24 25 26 27 28 29 30												- DAT	AU A UN A	AVAIL AVAIL AVAIL AVAIL AVAIL AVAIL AVAIL	ABLE ABLE ABLE ABLE ABLE ABLE ABLE	6 8 8 8 8 8 8 8									
31												- DAT	A UN	NAVAIL	ABLE									22	
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0.2

PERCENTAGE OF DATA VALID - 62.8 PERCENTAGE OF DATA INVALID - 0.1

PERCENTAGE OF DATA UNAVAILABLE - 37.1

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1977

POLLUTANT . SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION	NO 77019 GRASSY	LAKE SUDBURY AIRSHED		
MONTY	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN		DATA UNAV	AILABLE	
FEB		DATA UNAV	AILABLE	
MAR		DATA UNAV	AILABLE	
APR		DATA UNAV	AILABLE	
MAY	26	1.4	4	22
JUN	30	0.9	2	20
JUL	28	1.1	3	23
AUG	27	0.5	2	12
SEP	30	0.2	1	13
ост	19	0.2	~ 1	10
YEAR	160	0.7	4	23

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1977

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

2.5

7.5

23

0.7

STATION .	NE NO	77019	ı.	GRAS	SSY	LAKE	SUDBI	JRY	AIR	SHEC											
MONTH	00 TO	04 0	5 TO	10	11	TO 14	15	то	25	26	то	39	40	&OVER	1	OTAL					
JAN		0	ΔΤΔ	UNAVA	ILA	BLE															
FEB		C	ATA	UNAVA	AILA	BLE															
MAR		0	ATA	UNAVA	AILA	BLE															
APR			ATA	UNAVA	AILA	BLE													90		
MAY	5	97		29		6	3		4			0		o		636					
JUN	6	94		16		5	3		3			0		c		716					
JUL	ε	36		26		,	i i		1			0		C		664					
AUG	e	44		12			ti		0			0		C)	657					
SEP	7	06		7		1	t,		0			0		c		714					
OCT	4	162		5		9)		0			0		C		467					
YEAR	37	39		95		13	2		8			٥		C	1	3854					
FREQUENCY	DISTRIE		N BY	PERC	ENTI	LES					CON	ICEN'	TRAT	IONS							
	OF DATA		MIN		10		30	F	REQU 50	ENC	D1		BUT	10N. 90	PERCI 9		98	99	9	MAX	MEAN

87.3 0 0.0 0.0 0.0 0.3 1.5

UNITS - 0.01 PARTS/MILLION

														OWL	5 0	.01 17	TH 12/	WILLIO	N.							
	S	TATION	- N	NO.	7702	8	GOVE	RNMEN	T/EDW	ARD S	т со	NISTO	4			MON	TH -	JAN	77							
DAY	1	2	3	4	5	6	7	8	9	10	13	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	0	0	0	0	0	0	0	0	n	0	0	0	0	0	0	0	0		_				_			
2	0	0	0	1	0	- 1	0		- 4		3	5	4	3			U	0	0	0	0	0	0	0		0
3	- 1	1	i i	1	1	1	- 1	- 1	- 1				7	3	2	1	- 3		1	1		1	1	1		1
4	0	1	- 1	î	- 4	4	- 4	- 1	- 1			1	- 1		- 1	1	1	1	1	1	1	1	1	1		1
5	0	0	0	n	0				- 1	1	1		2	2		1	1	1.	0	1	1	1	1	1		1
6	1	1	1	D	-		n	o	- 1	- 1	- 1	****	1	0	1	10	6	4	2	2	1	1	1	1		2
7	1	- 1	- 4						0	1	- 3	1	1	2	1	2	2	2	1	1	1	1	1	1		1
В	- 6	- 1	- 1	- 1	- 4	- 2	- 2	- 1	3	0	3	1	- 1	- 1	1	1	1	1	3	2	1	2	1	1		1
9	- 1	- 1	- 1	- 4	- 2		- 2	- 1	1	1	1	1.	- 1	1	1	1	1		2	3	1	1	1	1		1
10		- 1		1	- 1	- 1	1	1	1	2	1	1	1	7	11	6	4	5	4	6	3	2	- 1	1		3
1.0		,	1	1	1	1	- 1	3.	1	1	0	0	0	0	1	29	22	2	1	2	2	2	1	1		3
1.1	1	1	0	0	1	1	1	0	1	0	0	0	-	0	11	1	1			_				_		
12	1	1	1	1	1	1	1	1	1	1	1	1	- 4	Ÿ		2	2			2	3		2	2		1
13	1	1	1	1	1	1	1	1	- 1	- 1		4	- 4	- :	2			1	1	2	2	2	1	2		į.
14	1	1	2	2	2	2	2	3	3	2	2	2	2		1		- 1	1.	1	1	2	1	2	1		f
15	2	2	2	2			2	2	2	3		1		2	2	2	2	2	2	2	2	2	2	2		2
16	1	1	1	1	2		3	2			- 2	1	- 1		2	- 1	- 1		1	2	2	1	1	1	4	2
1.7	1				- 1	2	2	2	2	ó	- 2	1	- 1	- 1	0	- 1	1	1	1	1	0	1	1	1		1
18	3	4	3	2	2	2	2	2		2	- 1	10	12	6	15	12	- 1	2	3	4	5	8	2	2		4
19	1	1	1	- 7	- 1	-	ō	- 5	- 1		- 2	2	2	0	0	0	1	*	-	1	1	.1	.1	1	- 1	2
20	i	- 1				- 4		- 1	- 1	1		1	1	1	1	1	- 1	1	1	1	1	1	1	. 1		1
			•			'	, ,		1	3	-1	2	2	****	3	2	2	2	-1	1	1	2	2	1	1	f
21	1	-1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	4	4				4.	1		
22		1	- 1	3	1	1	1	1	1	- 1	1	1	1	1	1	- 1	Ŷ	- 4	- 1	- 4	- 10		- 2			
23	1	1	. 1		1	1	- 1	1	1		1	2	2	2	2	3	á		À	4	3	3	3	****		
24	3	****	****	****	****	****	****	****			****			****		3	3	3	3	4		3	3	3		2
25	2	2	1	1	0	0	0	0	0	0	0	0	1	1	0	1	ő	0	3	3	3	3	3	3		
26	1	- 1	1	1	1	1	1	1	- 1	1	4	5	2	2	2	- 4		Ÿ	- 1	1	1	1	- 3	1		i.
27	1	1	. 1	1	1	****	3	1	2	2	3	2	4	2	2	2	2	- 2		1	1	- 1	1	1		(
28	1	1	1	1	1	1	1	1	- 1	1	0	0	ō	4	10	10	2		- 3	1	1	1	1	1	- 1	è
29	0	0	0	1	1	0	0	0	- 4	- 4	o	3	·	7				2	1	1	0	1	0	1	- 1	ř.
30	0	0	0	1	2	1	1	2	3	3	3	1	,	0	0	0	1	0	0	0	0	1	0	2	1	í
31	1	1	1	1	1	2	1.	1	1	1	1	1	2	****	1	3		2	,	1	1	,				
MEAN	1	1	1	1	1	ī	1	1	1	1	1	2	2	2	3	3	2		2	2	0	0	1	1:		

PERCENTAGE OF DATA VALID - 96.5

PERCENTAGE OF DATA INVALID - 3.0 PERCENTAGE OF DATA UNAVAILABLE - 0.5

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ******* INDICATES LEJS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

POLLUTANT - SULPHUR DIOXIDE UNITS - 0.01 PARTS/MILLION STATION - NE NO 77028 GOVERNMENT/EDWARD ST CONISTON MONTH - FEB 77 HOUR 18 19 20 21 22 23 24 MEAN 0 **** 0 1 2 3 0 0 26 0 0 0 2 12 13 14 15 16 17 18 19 20 0 0 0 2 22 23 24 25 26 MEAN 1.8

PERCENTAGE OF DATA VALID - 97.5

PERCENTAGE OF DATA INVALID - 1.6

PERCENTAGE OF DATA UNAVAILABLE - 0.9

- NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE
 - "-" INDICATES DATA IS UNAVAILABLE
 - 3. ****** INDICATES LEJS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - SULPHUR DIOXIDE UNIFS - 0.01 PARTS/MILLION

															Q	D. I. C. H.	n.i.J/m	LLLIO	4							
	STA	MOITA	- NE	NO	77028		GOVERN	MENT,	EDWA	RD ST	CON	ISTO	N			MON	TH - 1	MAR	77							
DAY	1	2	3	4	5	6	7	8	9	10	1.1	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1 2 3 4 5 6 7 8 9	3 2 1 0 2 2 1 1 1 3	2 1 0 1 2 1 1 2 3	1 2 0 0 1 1 1 2 3	1 2 1 0 2 2	2 2 1 0 2 2 1 1 2 3	3 1 1 0 2 1 1 2 2 3	4 1 0 3 2 1 1 2 4	3 2 1 0 3 2 1 1 1	3 2 1 0 2 2 1 2 1 1	3 2 2 0 2 3 1 2 1 0	2 2 0 0 2 2 0 0	2 6 0 1 2 2 0 2 1 4	4 2 0 1 2 2 0 2 1 4	202122214	1 1 2 1 3 2 2 5	1 1 2 1 2 1 4 3 2 5	1 1 2 1 2 2 2 4	1 1 1 2 2 0 3 2	1 0 2 1 3 0 1 3 2 4	1 1 3 0 1 3 2 4	2 1 3 1 1	2 1 2 1 2 1 1 1 3	1 0 1 2 1 1 1 4 0	2 1 0 1 2 1 1 2 2 0	3 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	2 1 1 2 1 1 2 1 1 2
11 12 13 14 15 16 17 18 19 20	000000000000000000000000000000000000000	0 0 0 1 0 0 1 2	0 0 0 0 1 0 1 1 2	1 0 0 0 0 0 0 0 1 2	3 0 0 1 0 0 0 0 1 3	3 0 0 1 0 1 2 1	4 0 0 3 1 0 0 2 2	3 0 0 0 4 1 1 0 1 1	3 0 0 1 1 1 0 0 1 2	2 0 2 1 0 1 1	2 1 0 1 4	1 0 0 0 2 0 0 1 4	2 0 4 0 1 16	5 0 0 0 0 2 5 1 0 4	3 1 0 0 0 0	1 0 2 0 1 1 7 3 1	0 1 0 5 1 0 9	1 0 1 0 1 0 6 2	1 1 3 0 1 0 5 2	0 0 0 0 0 0 14 4 2 3	0000004226	0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 1 2 4	0 0 0 0 0 0 0 1 2 2	2000	2
21 22 23 24 25 26 27 28 29 30	2 1 1 0 0 2 4 2 2 2	1 1 0 0 2 2 2 2 2 2 2	2 0 1 3 2 2 4 2	2 0 0 2 2 3 2 3	1 2 0 0 2 2 2 3 2	1 0 0 2 2 2 3 3	1 1 0 0 2 2 2 2 2 3	1 1 0 0 2 2 2 3 2	1 1 0 0 2 2 2 2 2 2	1 1 0 0 1 3 1 3 1	1 1 0 0 5 2 2 2 0	1 0 0 9 2 2 2 0	1 4 1 0 0 8 2 2 2 0	1 1 0 0 2 9 2 2 2 1	3 0 0 2 6 2 2 3	10 27 0 0 2 5 3 2 3	12 39 1 0 2 4 3 2 3	8 32 0 0 2 4 3 2 3	7 17 0 0 2 3 3 2	3 1 0 0 2 4 2 2 3	2 1 0 0 2 6 2 2 3 2	3 1 0 0 2 7 2 2 2 3	1 1 0 0 2 7 2 2 2 1	1 2 0 0 5 2 2 2	1 0 1 4 4 2 2 2 3 1	9 4 2 3
31 MEAN	1	1	1	1	1	1	1	1	1	0	0	0	0	2	0	0	0 3	0	0	0	0	0	0	0	1.8	

PERCENTAGE OF DATA VALID - 96.5 PERCENTAGE OF DATA INVALID - 2.7 PERCENTAGE OF DATA UNAVAILABLE - 0.8

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "." INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POL	LUTAN	т - 5	SULPH	UR DI	BOIX								UNITS	- 0.0)1 PAI	RTS/M	ILLIO	N						
	STA	TION	- NE	NO	77028	,	GOVER	NMENT/	EDWA	RD ST	CON	ISTON				MON	тн - ,	APR	77						
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	1 B	19	20	21	22	23	24	MEAN
1 2 3 4 5 6 7 8 9	0 1 1 0 0 0 0 0 0	0 1 0 1 1 0 0 1 1	0 1 0 1 1 0 1 1 1	0 1 1 1 1 1 0 0 0 0 0	0 1 0 0 0 1 0 0	1 1 0 1 1 0 0 0 0 0	1 1 0 1 1 0 0 1 1 0	0 0 1 0 0 1 1 0 0 2 0	0 1 0 0 1 0 0 0 4	0 0 1 0 0 0 2 0	0 0 1 0 0 0 3 1	0 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 0 0 1 0 0 0 4 0	1 1 0 0 0 0 0 0 0 5 1	0 0 0 1 0 0 0 1	1 0 0 0 0 0 0 0 1	0 - 0 0 0 0 0 1	1 0 0 0 0 0 0 1	1 1 1 0 6 0 0 0	1 1 0 0 0 0 0 0 0 0 1	1 1 0 0 1 0 0 0 1	1 1 0 0 0 1 0 1 0 1	1 4 1 0 1 1 0 1 0 0	1 6 1 1 1 1 1 0 0 1	1 1 0 1 0 0 0 0 1 1 1
11 12 13 14 15 16 17 18 19 20	59 0 0 0 0	0 1 0 0 0 0 0 0 0 0	1 200000000	00000000	1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1000000000	0000000	1 1 0 0 0 0 0 0 0 0 0 0 0	1 0 0 0 0 0 0 0 0 0	0 1 0 12 7 0 0 0	0 18 12 0 0 0	0 0 14 14 0 0 0	1 0 0 13 10 1 2 0 0	2 1 0 11 11 3 2 1 1 1 1	1 0 5 10 4 3 0	2 1 0 8 7 3 2 0 2	3 1 0 10 7 3 2 0 2	3 0 0 11 11 7 2 0 2	3 0 0 5 6 2 1 0 2 0	3 1 0 0 0 0 1 1 0 1 0	0 0 0 1 0 0 1 0	3	000000000000000000000000000000000000000	37 0 0 0 0 1 0 0	3 3 0 5 4 1 1 0 1 0
21 22 23 24 25 26 27 28 29 30		0 0 1 3 1 0 0 1	0 0 2 2 2 2 0 1 0 1	0 0 1	1 2 1 0 0 0 1	0 0 1 1 17 2 0 0	0 0 1 1 19 1 0 1	0 0 1 30 2 0 0	0 0 1 63 1 0 0	0 • 1 2 52 1 0 1 2 1	0 1 5 23 1 0 0	0 69 1 1 29 2 0 0	1 40 1 1 1 11 2 0 0	0 22 2 3 4 4 0 0	0 2 2 2 7 3 0 0 1 2	0 2 2 2 4 5 0 0 1 2	0 2 2 2 6 4 1 0 1 2	0222320012	0 2 2	0 2 2	0 2 1 2 1 1 1 2 2	1 2 1 2 2 1 2 0 1 2	0 2 1 1 1 1 0 1 0 1	0 2 1 6 1 0 . 0 1 1	0 7 1 2 13 2 0 0 0 1
MEAN	3	0	1	0	0	į	1	1	3	3	2	5	3	3	2	2	2	2	1	1	i	1	1	2	1.7

PERCENTAGE OF DATA VALID - 97.4 PERCENTAGE OF DATA INVALID - 1.3

PERCENTAGE OF DATA UNAVAILABLE - 1.4

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. "***** INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNITS - 0.01 PARTS/MILLION

	STAT	TION -	NE	NO	77028	G	OVERN	MENT/	EDWAR	ST	CON	STON				MONT	H - N	AY	77						
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	1.7	18	19	20	21	22	23	24 ME	AN
DAY																	_	_	_	_		-		1	
1	1	1	1	0	1	0	0	0	1	1	1	2	2	2	2	2	2	10	7	5	8	2 55	i	ó	5
2	1	0	0	1	0	0	1	3	7	5	U		1	1	1	3	6	11	12	3	3	2	2	1	3
3	1	0	2	- 1	1	1	0	1	1	1		-			7	0	ő	o		o	o	0	0	0	1
4	2	1	1	1	2	2	2	2	0	1	1	0	0	0	0	Ö	ő	ő	1	1	0	0	1	1	0
5	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	ó	ò	0	0	0	0	2
6	0	1 **		1	0	0	2	9	8	6	5	2	0	2	0		ő	ő	ő	o	0	o	0	o	1
7	7	0	0	0	0	1	5	1	0	0	0	0	0	0	0	0	8	ő		o	·	o	o	o	2
8	0	0	0	1	0	1	0	0	0	0	0		***	0	13	11			17	2	- 1	o	1	1	2
9	0	0	0	0	0	0	0	0	2	1.	0	3	2	2	1	2	3	1			- 1	1	2	3	5
10	ō	1	1	0	1	1	1	1	0	2	14	14	10	6	7	2	3	4	30	24	1.				-
10			7.															_	_				2	1	
1.1	2	4	4	0	1	1	1	3	3	7	1	0	0	0	1	0		1	0				15	6	6
12	2	8	2	1	1	3	2	4	2	1	4	2	1	1	1	2	1	1	1	.1	- 1	70			6
13	7	1	2	7	1	1	1.1	1	15	8	10	16	13	2	9	14	4	0	0	15	5	1	3	ò	8
14	ó	ó	ő	,	2	1	1	1	4	46	25	22	16	15	14	14	1.1	10	. 1	0	1	- 1	0	0	
15	ŏ	8	·	o	- 7	- 1	o	0	0	0	0	1	0	1	3	4	1	1	1	1	1	0	0	1	
		0	0	·	o	0	0	0	0	0	2	2	1	0	0	0	0	0	1	0	0	1	0	1	0
16	2	1		- 4	1	1	1	1	2	2	7	9	1	0	0	0	0	1	0	1	1	1	1	- 1	1
17	0	- 0	- 1		1		2	2	2	2	32	46	1	1	0	1	9	19	. 1	1	1	2	1	1	5
18	1	2	- 3	ò	o	1	ō	ō	2	5	11	12	21	16	9	1	5	3	1	1	1	2	1	1	4
19	1	3	- 3	0	0	0	1	1	ī	1	1	1	2	1	2	1		1	0	0	1	0	0	1	1
20	1	1	3		U	U		,		-	0.00														
21	1	0	1	0	0	1	0	0	1	0	1	1	- 1	1	0	0	0	0	1	1	1	1	2	- 1	- 1
22		3	- 1	0	1	1	1	1	2	2	2	2	1	1	1	- 1	- 1	1	1	1	1	1		1	
	1	1	- 1		0	0	1	1	1	1	1	0	0	0	1	0	1	0	1	0	0	1	0	1	
23 24	ò	ò	ó	ó	****		0	1	0	0	0	1	1	1	0	0	0	0	0	1	0	1	2		0 3 5 2
24	0	2	0	ő		0	0	0	1	В	8	5	7	*		7	5	12	14	1	0	0	1	0	3
25			-	0		3	3	3	5	10	48	15	10	10	9	2	- 1	1	0	- 1	1	2	1	1	5
26	0	0	0			3	7	6	3	1	1	1	1	1	0	1	1	1	3	1	1	1	1	1	
27	2	1	1	1	2	2		ĭ	3	14	4	4	- 1	1	1	1	1	1	1	1	1	1	3	1	2
28	1	- 1	2	2			- 1	- 0		- 7	1	ò	0	1	1	2	1	2	1	0	0	1	0	0	1
29	1	- 1	1.	1	1		ò	- 1	4	- 4	9	8	4	1	1	1	5	28	9	1	1	1	1	1	3
30	0	2	0	0	0	0	U	1	4		-		-												
31	1	3	2	1	1	1	1	1	0	1		1	1	0	1	1	1	0	1	1	1	1	1	1	1
31	. i	3	*						-							-	-	-		-			1	1	2.4
MEAN	1	1	1	1	1.	1	1	1	2	4	6	6	3	2	3	2	2	4	4	2	1	5	- 1		2.4

PERCENTAGE OF DATA VALID - 98.1

PERCENTAGE OF DATA INVALID - 0.9

PERCENTAGE OF DATA UNAVAILABLE - 0.9

NOTES 1. "****" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

UNITS . O.O1 PARTS/MILLION POLLUTANT - SULPHUR DIOXIDE GOVERNMENT/EDWARD ST CONISTON MONTH - JUN 77 20 21 22 23 24 MEAN 13 14 15 16 17 18 19 10 11 12 8 HOUR 6 9 0 0 0 0 0 16 0 7 0 0 0 13 0 5 5 00020400164 0003001087 0 0 1 000 0 * 0 0 1 1 7 0 0 21 0 2 3 4 5 6 7 0 0 8 30 2 0 25 0 19 16 2 0 40 15 0 0 0 1 0 0 15 50000 9 12 2 23 1 1 0 19 11 7 4 7435222024 12 32 4 0 1 15 3 1 0 7 12 49 17 0 26 5 10 4 11 12 13 14 15 16 17 18 19 20 0 0 8 3 6 2 0 250001 0 0 1 15 0 ò 10 0 4 24 0 0 1 3 2002 000 0 4 0 7 12 0 000 0 0 3 0 4 0 0 8 0 0 4 3 0 5 3 21 2 0 0 0 0 21 22 23 24 25 26 27 28 29 30 0 0 000 0 00 0 0 0001 0000000 0 0 0 1 0001 0 22 63 0 0 0 2.2 MEAN

PERCENTAGE OF DATA VALID - 97.6

PERCENTAGE OF DATA INVALID - 1.1

PERCENTAGE OF DATA UNAVAILABLE - 1.3

- . "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNITS - 0.01 PARTS/MILLION

	ST	ATION	- NE	NO	77028		SOVERN	MENT	/EDW/	ARD ST	CON	ISTON				MON	тн	JUL	77						
DAY	1	2	7	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1 2	1	1	2	Y	0	1	0	1	0	0	0	0	0	0	0	0	0	0	1	0	1	0	2	3	1
3	0	3	0	0	0	0	0	0	0	0	0	0	1	16	9	12	8	2	0	0	1	0	0	0	2
4	1		3	3	3	3	,	- 1	0	0	8	7	5	6	1		1	1	1	1		••••	1	1	1
5	1	0	ő	0	o	o	ò	ò			• • • •		ő	0	0	0	1	1	0	0	0	0	0	0	2
6	1		1	1	1	1	1	1		1	1	1	ő	ő	ő	ő	ò	ó	ò	0	0	0	ò	0	0
7	0	0	0		****	0	0	-	0	1	0	Ó	o	Ö	ő	o	o	0	ő	0	0	0	0	0	0
8	0	3.	0	1	0	1	2	1	2	В	9	12	2	2	3	2	2	2	2	2	2	3	2	4	3
9	2	2	2	2	2	2	8	4	8	1.1	4	6	3	3	3	3	3	3	3	3	3	3	3		4
10	****		0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	Ö	1	1	1	0	o
11	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	1	1	1	1	1	,	1	1	0
13	0	0	1	0	4	1	0	0	1	2	1	1	1	1	2	2	0	0	0	0	0	0	0	0	1
14	3	2	1	0	0	1	3	2	0	0	0	0	0	1	0	0	0	0		1	0	1	1		1
15	1	2	1	1	1	2	3	0	1	1	1		1	1	1	1	1	1	1	2	1	1	1		1
16	ó	- 7	- 1	o	ó	0	1	3	2		2	8	5	6	5	0	0	0	1	1	1	1	0	0	2
17	o	ō	ò	0	0	0	1	1	4	3	14	17	20	10	2	0	0	0	0	0		0	0	0	0
18	ō	ō	o	0	1	2	3	2	- 4	3	0	****	20	0	7	- 1	1	0	1	1	0	2	0	0	3
19	2	2	2	2	2	2	4	6	5	5	2	2	2	2	2	2	2	2	2 2	2	2	2	2	2	1
20	1	1	1	1	1	2	2	2	4	4	2	ī	ī	1	1	ī	1	1	1	2 2	2	2	2	1	2
21	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1		2	1	
22	1	- 1	0	1	0	0	0	0	0	1	0	0	1	0	0	0	0	0	-	7	1	o	6	9	1
23	10	5	3	3	0	1	0	- 1	0	1	0	0	0	1	0	0	0	0	0	0	0	0	1	1	1
24	1	- 1	1	0	1	2	2	1	0	0	0	0	0	0	1	0	0	2	1	0	1		0	0	1
25 26	- 1	1		- 1	3	1	1	0	0	0	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1
27	!	- 1	1	2	2	3	2	- 1	1	2	1	1	1	1	1	1	1	1	1		-		1	2	1
28	ò	ô	ó	ő	1	0	1	ò	3	9		8	- 1	1	0	0	0	0	1	0	0	0	0	0	2
29	1	1	2	1	2	2	2	2	2	2	- 1		- 1	0	1	1	1	1	0	- 1	1	1	1	1	1
30	o	12	10	16	4	11	9	4	16	9	ò	o	ò	0	0	0	0	0	0	0	0	0	0	5	4
31	1	0	0	1	0	0	0	1	О	1	1	2	1	1	4	1	1	2	2	2	2	2	2	2	1
MEAN	1	1	1	1	1	1	2	1	2	2	2	3	2	2	1	1	1	1	1	1	1	1	1	1	1.4

PERCENTAGE OF DATA VALID - 96.0 PERCENTAGE OF DATA INVALID - 3.0

PERCENTAGE OF DATA UNAVAILABLE - 1.1

NOTES 1. "**** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	PC	LLUTA	NT -	SULP	HUR DI	OXIDE							Ų	NITS	- 0.0	01 PA	RTS/N	ILLIO	N						
	ST	ATION	- NE	NO	77028		GOVER	NMENT	/EDW4	RD ST	CONI	STON				MON	TH -	AUG	77						
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1 2 3 4 5 6 7 8 9	0 0 0 0 0 2	0 0 0 0 2	0 0 0 1 0 2	000000000000000000000000000000000000000	2 1 0 0 	3 1 0 0 2 0 0 0 0	2 3 0 0 0 3 1 0 1 0	1 4 1 0 0 3 1 0 0 0	1 0 3 0 0 19 4 1 0	1 0 2 0 0 49 0 2 3	2 0 0 4 0 19 0 1	2 0 0 1 1 0 0 0 1 0	10020	1 0 1 1 0 1 4 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	14 0 0 0 0 6 0 0	14 1 1 0 1 1 1 0 0 0 1 0 0	2 0 0 0 5 0 1 1 0	3 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2000000141	1 0 0 1 1 0 0 0 3 0	1 1 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	3 1 1 0 0 7 0
11 12 13 14 15 16 17 18 19	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 2 0 0 1 0 1 0 1	0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 1 0 0 3 2 1 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 1 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 1 0 2 0 0 2 0	1 5 0 1 0 6 1 0	2 4 0 0 1 3 0 0 1 0	1 0 0 1 3 0 0 0 1 0	1 0 0 14 10 1 0 0 16	1 0 1 18 15 0 0 23 19	1 0 3 12 19 1 0 0 4	1 0 3 14 11 0 14 9 2	1 1 9 8 0 1 1 1	0 2 0 1 6 0 3 1 0	1 0 3 0 0 1 1 0 0	0 0 0 0 0 0 1 0	0 1 0 0 0 0 0 0 0 0 0 0 0 0 0	2 1 0 2 0 1 0 5 0 0	0 3 0 1 0 3 1 3	0 3 0 1 0 0 0	0 1 0 0 1 1 0	1 1 0 4 3 1 1 1 3 3 3
21 22 23 24 25 26 27 28 29	0 0 0 0 0 2 2 0 1	0 1 0 0 0 1 0 2 0 1	0 1 0 0 1 0 2 0 1	1 0 0 0 1 2 0 2	1 1 0 0 1 2 0 2	0 1 1 0 0 1 2 0 2	3 1 0 0 1 2 0 2	000000000000000000000000000000000000000	0 0 0 0 0 0 0 2	1 0 1 0 2 0 2	0 0 0 0 0 0 3 0 2	3 2 0 0 0 2 0 2	1 5 26 24 2 1 0 2 0 2	1 19 24 5 3 1 2 6	1 3 10 1 10 0 3 2 17 2	1 0 10 0 22 1 2 2 11 3	1 0 3 0 4 1 0 2 36 3	1 0 0 0 1 1 1 2 5	1 0 0 1 1 2 2 9	1 0 1 0 1 0 2 3 3	1 0 0 0 1 0 2 2 0 1	0 0 1 0 1 0 2 2 1 0	0 0 1 0 1 2 0 1	0 1 0 0 1 0 2 0 1 0	1 2 4 2 2 0 1 2 4 2
31 MEAN	0	0	0	0	0	0	2	2	0	0	1	1 2	0 5	1 '	4	1	•••• 3		0	0	0	0	1	0	0 1.6

PERCENTAGE OF DATA VALID - 96.1 PERCENTAGE OF DATA INVALID - 3.8

PERCENTAGE OF DATA UNAVAILABLE - 0.1

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNITS - 0.01 PARTS/MILLION

	STA	TION	NE	NO 7	7028	G	OVERN	MENT/	EDWAR	D ST	CON	STON				MON	TH -	SEP	77						
DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 M	MEAN
1 2 3 4 5 6 7 8 9	0 0 0 0 0 0 0	00000000	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 1 0 0 0 0 1 0 0	0 0 0 1 0 0 0	0 0 0 1 0 0 0	0 0 0 0 0 0 1 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5 2 0 0 0 0 0 0 0	18 0 1 0 0 0 0 0	1 0 0 0 0 0 0 1 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 3 0 0 1 0	0 0 0 0 0 0 0 0	0 6 0 0 0 0 0 0 0	63 0 0 0 0 0	0 27 0 0 0 0	0 4 1 0 0 0 0 0 0	1 1 0 0 0 0 0 0 0 0	3 1 0 0 0 0 0 0 0 0	1 2 0 0 0 0 0 0 0 0	0 2 0 0 0 0 0 0 0	1 5 0 0 0 0 0
11 12 13 14 15 16 17 18 19	0 0 0 0 0 1 0 0	0 0 0 1 0 0 4 0 0	0 0 0 1 0 0 0 3 0 0	0 0 0 0 0 1 0 0	000000000	0 0 0 0 0 0 0 0 0 0	000000000	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 2 •	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 28 0 0 0 0 0 13 2 0	0 36 0 0 0 0 0 18	4 38 0 0 0 0 0 15	12 15 6 0 0 0 0	10 12 2 0 0 0 2 8 0 0	10 17 0 - 0 6 3 0	1 10 0 0 0 0 0 4 0	000000000000000000000000000000000000000	0 0 0 0 0 0 0 0 0	000000400	0 . 2000000	0 - 1 0 0 0 0 0 0	0 0 2 0 0 0 1 0 0 0	2 7 1 0 0 0 1 4 0
21 22 23 24 25 26 27 28 29 30	0 0 2 0 1 1 0 0 0 0	1 1 0 0 0 0	0 0 4 0 1 1 0 0 0 0 0	5 1 1 0 0 0 0	0 6 0 1 1 0 0 0 0	0 0 7 1 1 1 0 0 0 0 0	0 0 3 0 1 1 0 0 0 0	0 0 1 0 0 0 0 0	0 0 2 0 1 1 1 0 0 0	0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0 1 1 0 1 0 0 0	0 2 1 1 1 0 0 0 1 1	0 2 1 1 1 0 0 0 1 0	0 2 1 1 1 0 0 0 0 0 0	0 3 1 1 1 0 0 0	0 2 1 1 0 0 1 0 0 0	0 1 0 0 0 0 0	0 2 1 1 0 0 0	0 1 1 0 1 0 0 0 0 0 0	0 2 1 0 1 1 0 0 0 0 1	0 4 1 1 1 0 0 0 0 0 0 0	0 3 1 0 1 0 0 0 0 0 0 0	0 2 1 0 1 1 0 0 0 0 0	0 2 0 1 1 0 0 0	0 1 2 0 0 0 0 0 0 0
MEAN	0	0	0	0	0	0	0	0	0	1	1	2	2	2	2	1	2	3	1	0	0	0	0	0	0.9

PERCENTAGE OF DATA VALID - 98.2 PERCENTAGE OF DATA INVALID - 1.1

PERCENTAGE OF DATA UNAVAILABLE - 0.7

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
 - 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POL	LUTANT	- S	ULPH	UR DI	OXIDE							1	JNITS	- 0.	01 PA	RTS/M	ILLIO	N						
	STA	TION -	NE	NO	77028	3	GOVERN	MENT	/EDWA	RD ST	CON	ISTON				MON	тн -	OCT	77						
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1 2 3 4 5 6 7 8 9	000000000	0 0 1 0 0 0 0 0 0	1 0 0 0 0 2 0 0 0 0	0 0 1 0 0 2 0 0 0	0 0 0 0 0 0 0 0	000000000000000000000000000000000000000	0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 1 0 0	0 0 0 1 0 0 1 0 2	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	00000000	0 0 0 0 0 0 0	0 0 0 1 0 0 6	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 1 0 0	000000000000		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 3 0	0 0 0 0 0	0000000000	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 1 0 0 0 0 2
11 12 13 14 15 16 17 18 19 20	0 0 0 2 0 1 1 1 1	0 0 0 1 0 1 0 1 0	0 0 0 0 1 0 1 0 1 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 1	0 0 0 1 0 1 0	0 0 0 0 1 0 0 0 1 0	0 0 0 1 1 0 0 1 0	1 0 2 1 2 1 0 7	0 2 6 0 0 0 9 0 3	0 0 2 0 0 5 1 0	1 0 2 0 0 14 0 0	1 2 1 0 0 5 0 0 3 0	1 0 0 0 0 4 0 0 30	3 0 1 0 0 1 0 0 31	0 4 2 0 1 3 0 16 0	0 5 2 0 17 56 0 6	0 0 5 0 6 5 9 0 1 0	0 0 0 2 0 7 45 1	0 0 0 2 0 7 10 0 2	0 0 0 2 0 6 3 1 1 0	0 0 1 2 0 1 3	0 0 0 1 0 2 1 0 1 0	0 0 1 0 1 2 0	0 0 1 1 0 4 8 0 6
21 22 23 24 25 26 27 28 29 30	0 0 0 0 1 0 1 0 0	0 3 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0000010000	000001000	0000000000	000000000000000000000000000000000000000	000000000000000000000000000000000000000	0 0 0 0 0 0 0 0	0000000	3 0 1 0 0 0	4 0 1 0 1 0 1 1 7 0	1 0 1 0 1 1 0 2 0 0 0	0 0 2 0 1 1 0 9 1 0	0 0 1 0 1 1 0 6 0 0	0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	000000	0 0 2 0 0 0 1 25 0 0	0 0 2 0 0 0	0 0 2 0 1 0 2 0 0 0	0 0 1 0 1 0 0 0 0	0 2 0 1 0 0 0	1 0 0 0 1 1 0 0	1 0 0 0 2 0 1 0 0 0	2000101000	1 0 1 0 1 6 0 0
31 MEAN	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	3	0	0	0	0	3	0	0	0	1.1

PERCENTAGE OF DATA VALID - 98.3 PERCENTAGE OF DATA INVALID - 1.6 PERCENTAGE OF DATA UNAVAILABLE - 0.1

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEJS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - SULPHUR DIOXIDE UNITS - 0.01 PARTS/MILLION

	STA	TION .	NE	NO	77028	.6	OVER	NMENT/	EDWA	RD ST	CON	ISTON				MON	th -	NOV	77						
HOUR	1	2	3	4	5	6	7	8	9	10	1.1	12	13	14	15	16	17	18	19	20	21	22	23	24 M	EΔN
1	0	0	0	1	0	0	0		0	0	1	1	1	1	1	1	1	0	0	0	0	1	1	1	1
2	1	1	1		****	1	1	.1	1	- 1	0	3	1	. 1	1	0	0	0	0	0	0	0	0	0	1
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	- 1	1	1	0	0	0
4	0	0	0	0	0	0	0	0	0	1	28	38	14	15	6	4	0	0	0	0	0	0	0	1	4
5	0	0	0	0	0	0	0	0	0	0	0	0	****		0		2	1	1	1	0	0	0	0	0
6	1	0	3	1	0	4	1	0	1	- 1	1	2	1		2	2	2	2	2	2	3	4	2		1
7	1	1	0	0		0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
В	0	0	0	1	0	0	0	0	0	0	0		0	0	0	0	****	****	****	0	0	0	0	0	0
9	0	0	100	-	*	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	1	0
10	0	1	0	0	0	1	1	1	0	3	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1.1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	1	0	1	1	0	0		- 1	0	1	0	****	0	1	0	0	0
13	0	0	1	2	1	1	2	1	1	2	3	9	8	6	3	0	0	1	1	0	0	3	8	9	3
14	8	6	2	0	0	0	0	D	1	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	1
15	0	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	D	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0			1	1	0	0	0	0
18	0	0	0	0	0	0	0	0	0			-	****	0	0	1	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0		0	0	0	1	1	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0				7	1	2	1	2	1
22	2	3	1	3	1	0	0	0	O	0	0	4	4	5	1	0					0	0	1	0	1
23	0	0	0	1	1	1	- 1	0	0	0	0	0	0		2	0	0			0	0	0	0	0	0
24	0	1	0	0	0	1	1	1	1	1	1	2	0	6	3	1	- 1	0		0	0	0	0	0	1
25	0	0	0	1	0	0	0	0	0	0	1	0	0	1	1.	0	0			6	0	1	20	2	2
26	5	3	1	0	0	0	0	0	0	0	0	0	0	0	0	****	2			1		1	1	1	1
27	2	2	2	1	2	2	2	-1	2	2	1	3	2	13	28			4	1.0	1		1	1	1	4
28	1	1	2	2	1	2	2	2	2	2	0	0	0	0	0	0	0	0	0	0	****		1	1	1
29	1	1	0	1	0	0	0			0	1	1	0	0	0		1	1	1	1	. 1	1	0	1	1
30	-1	196	1	1	1	1	1	1	-	(=)	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1
MEAN	1	1	0	1	0	0	0	0	0	0		2	1	2	2		1	1	- 1	1	0	1	1	1	0.9

PERCENTAGE OF DATA VALID - 96.0

PERCENTAGE OF DATA INVALID - 2.5

PERCENTAGE OF DATA UNAVAILABLE - 1.5

NOTES 1. ****** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. "***** INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

UNITS - 0.01 PARTS/MILLION POLLUTANT - SULPHUR DIOXIDE STATION - NE NO 77028 GOVERNMENT/EDWARD ST CONISTON MONTH - DEC 77 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 MEAN HOUR 0 0 4 0 0 0 0 2 0 0 4 0 1 4 0 0 5 0 0 3 0 1 10 11 12 13 14 15 16 17 18 19 20 0 21 22 23 24 25 26 27 28 0 0 200 0 0 0 31 2 2 1

PERCENTAGE OF DATA VALID - 98.9

PERCENTAGE OF DATA INVALID - 0.4

PERCENTAGE OF DATA UNAVAILABLE - 0.7

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. "***** INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1977

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - NE	NO 77028 GOVERNMEN	T/EDWARD ST CONISTON		
MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	30	1.4	4	29
FEB	28	1.8	7	41
MAR	31	1.8	6	39
APR	30	1.7	13	69
MAY	31	2.4	8	70
JUN	30	2.2	10	63
JUL	31	1.4	4	20
AUG	31	1.6	7	49
SEP	30	0.9	7	63
OCT	31	1.1	8	59
NOV	30	0.9	4	38
DEC	31	1.4	5	40
YEAR	364	1.5	13	70

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1977 POLLUTANT - SULPHUR DIOXIDE UNITS - 0.01 PARTS/MILLION

STATION -	NE N	10 7	77028		GOV	ERNIV	ENT	/ED	WAR	D S	r c	ONIS	TOF	4					
MONTH	00 1	ro (04 05	то	10	1.1	то	14	15	TO	25	26	то	39	40	&OVE	R	TOTAL	
JAN		69	97		14			4			2			1			0	718	
FEB		63	28		18			3			1			4			1	655	
MAR		61	82		25			4			3			4			0	718	
APR		65	55		22			10			6			3			5	701	
MAY		6	40		51			17			14			3			5	730	
JUN		6	21		41			12			21			5			3	703	
JUL		6	71		32			6			5			0			0	714	
AUG		6	68		20			10			14			2			1	715	
SEP		6	82		11			4			5			4			1	707	
OCT		7	02		16			1			4			4			4	731	
NOV		6	67		1.4			3			4			3			0	691	
DEC		7	00		30			2			2			1			1	736	
YEAR		80	13		294			76			81			34			21	8519	

FREQUENCY DISTRIBUTION BY PERCENTILES CONCENTRATIONS PERCENT OF DATA VALID MIN 10 30 FREQUENCY DISTRIBUTION. PERCENT 97.2 0 0.0 0.0 0.2 0.8 2.5 4.9 11.7 18.8 70 1.5

UNITS - 0.01 PARTS/MILLION

	S	TATION	· NE	NO	77052	1	LOCKE	RBY	SUDBUR	RY AIR	RSHED					MON	TH -	JAN	77								
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	ME A	N	
1 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	
4		0	0		0		0			0	0	0	0	0	0	0	0	0	0	0	0					0	
5	0	0	0	D	0	0	0	0		0	0	0	0	0	-	0	0	0	0	0	0	0	0	0	***		
6	0	ő	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	1	1	0		0	
7	0	ő	0	0	a	0	1	1		****	****	****	****				1	2	1	- 1	1	1	1	1		0	
8	2	1	1	1	1	O	0	0	0	0	0	0	0	0	0	0	o		2	1	2	2	2	2		1	
9	0	0	0	0	0	0	0	0	0	2	1	o	6	2	15	16	10	3	2	2	0	0	0	0		0	
10	0	0	0	1	3	20	18	5	1	0	0	0	0	0	0	3	3	1	1			1	- 1	1		3	
																	-			*	7.4					3	
1.1	0	1	- 1	1		1	8	7	5	8	9	9	4	2	1	0	****	0	0	0	0	0	0	0		3	
12	0	0	0	0	1	2	2	2	0	1	1	3	****	0	0	0	0	0	o	0	ő	ő	ő	ő		ř	
13	0	0	0	0	0	0	0	0	0		0		0	0	0	0	0	0	0	0	ő	Õ	ŏ	ő		0	
14	0	0	0	0	0	1	1	1		1	1	****	2	2	1	1	1	0	1	1	1	1	1	1		1	
16	0	1	1	1		1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	
17	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	5		0	
18	2	3	0	0	0	0	0	0	0	3	1	2	0	1	0	0	8	27	20	16	14	18	17	10		6	
19	ő	0	0	0	3	2	2	2	- 1	1	0	0	4	2	0	0	0	0	0	0	0	0	0	0		1	
20	0	0	0	1	1	3	3	0			0	0	0	0	0	0	0	1	1	1	2	4	4	2		1	
20		.0	0		,	3	3	1		.57.7.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0		0	
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0		0	
24	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	1	2	5	3	1	0	0	0	0		1	
25	0	0	0	0	0	0	0	0	0	£	- 1	1	1	0	0	1	1	1	1	1	1	1	1	0		1	
26	0	1	0	0	0	0	1	0	2	2	0	1	1	0	0	0	0	0	0	0	0	0	0	0		1	
27	,	1	·	8	13	·	2	0	0	0		0	1	1	1	0	0	0	0	0	0	0	0	0		0	
28	ó	0	ó	0	0	D	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0		1	
29	0	0	ő	0	0	o	Ö	0	0	0	0	0		10	3	3	2	0	0	0	0	0	1	1			
30	1	o	o	0	ŏ	o	0	0	0	0	ő	0	0	0	0	0	1	0	0	0	0	0	0	0		0	
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	7	3	1	0	0	0	0	0	0		,	
MEAN	0	0	0	1	1	1	1	1	0	-1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		0.8	

PERCENTAGE OF DATA VALID - 95.8

PERCENTAGE OF DATA INVALID - 4.0

PERCENTAGE OF DATA UNAVAILABLE - 0.1

NOTES 1. "**** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

POLLUTANT - SULPHUR DIOXIDE UNITS - 0.01 PARTS/MILLION STATION - NE NO 77052 LOCKERBY SUDBURY AIRSHED MONTH - FEB 77 HOUR 8 9 10 11 12 13 14 16 17 18 19 20 21 22 23 24 MEAN 20200400 0 0 0 0 0 2 0 0 2 0 00100220 0 0 0 1 1 1 1 0 2 0 3 4 5 6 7 300002 000 0 0 8 9 10 0 2 3 2 3 2 2 2 2 1 0 0 0 0 0 0 0 11 12 13 14 15 16 17 18 19 20 3 0 0 30000101 30000001 2000010200 2000000 000000 0000001 0000001 000000000 000030200 000000000 000000100 0000100 0302 0 0 1 0 0200 200 00 00 21 22 23 24 25 26 27 0 0 1 0 0 204 00010007 000 000 000000 00000000 00000000 0000405 0 3 0 0 1 0000 0 0 0 0 MEAN 1 0.8

PERCENTAGE OF DATA VALID - 97.3

PERCENTAGE OF DATA INVALID - 2.7

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNITS - 0.01 PARTS/MILLION

	ST	MILLA	r - NE	NO.	77052		LOCKE	RBy S	UDBUR	Y AIR	SHED					MON	TH -	MAR	77						
HOUR	1	2	3	4	5	6	7	8	9	10	1.1	13	2 13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1 2 3 4 5 6 7 8	0 0 0 23 6 0	00000	0 0 0 0 21 5 0	0 0 0 21 5 0	0 0 0 20 5 0	0 0 0 19 4 0 0 0	19 4 0 0 0	0 0 0 17 4 0	0 0 0 16 3 0	0 0 0 0 15 3 0 0	0 0 0 14 3 0	1	0 0 0 4 0 0 3 13 2 2 0 0 0 0	0 6 0 12 2 0 0 0	0	0 5 0 10 1 0	0 0 3 1 10 1 0	0 0 2 3 9 1 0 0 0	0 3 7 9 1 0 0	0 0 2 12 8 1 0	0 4 17 8 0 0 0	0 3 21 7 0 0	0 0 1 22 7 0 0	0 0 1 22 6 0 0	0 0 2 5 14 3 0 0
10	0	0	0	0	0	0	0	0	0	0	0	-	0 0	0	0	0	0	0	0	0	0	0	0	0	0
11 12 13	0	0	0	1	1	1	1	1	0	0	0		DATA U				٠	•	,	٠		*		*	٥
14		(740	20		*			****	0	0		0 0	0	0	0	0	0	0	0	0	0	0	0	*****
15	0	0	0	0	0	0	****	****	****	1	0	-	0 0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	1	0		0 1	0		1	0	0	0	2	0	7	1	0	1
17	0	1	0	0	0	0	0	0	0	0	0		6 1	2		4	22	19	21		2	0	0	0	4
18	0	0	0	0	0	0	0	0	0	0	0		0 3	3		0	0	0	0	2	1	0	0	0	0
19	0	0	0	1	0	0	0	0	0	0	0		1 0	0		0	0	0	0	0	0	0	0	0	0
20	0	****	****	****	****	****	****	****		****	****	•••		****	****	****	****		• • • •	****		****	****	****	•••••
21	****	****	****	****	****		****	****	0	0	0		8 1	10		14	11	83	56		4	3	1	0	13 2 0
22	0	0	0	0	0	0	- 1	7	13	****	5		3 0			0	0	0	0	0	1	1	2	2	2
23	1	1	1	- 1	0	0	0	0	0	0	0		0 0				0	0	0		0		0	0	0
24	0			0	0	0	0	0	0	0	0		0 0				0	0	0		0	0	0	0	0 0 2
25	0			0	0	0	0	0	0	0	0		0 0			****	0	0	0		0	0	0	0	0
26	0			0	0	0	0	0	3	1	0		1 6			5	1	0	0		1	0	. 0		2
27	0				0	0	0	0	0	0	0		0 0				0	0	0		0	0	. 0	0	0
28	0		0		0	0	0	0	****		0		0 0			0	0	2		****	****	••••	****	4.4.	0
29	****	****	- 4	4	4	5	6	8	7	7	6		5 6		****	7	7	6	5	5	5	4	4	4	5
30	3	3	3	3	3	3	3	3	3	3	3		3 4	3	3	3	3	2	2	2	2	2	2	2	3
31	3	3	2	3	2	2	2	2	2	2	• • • • •	***	. 3	2	2	2	2	2	2	2	2	2	2	2	2
MEAN	1	1	1	2	-1	1	1	2	2	1	1		2 2	2	1	2	2	5	4	2	2	2	2	2	1.9

PERCENTAGE OF DATA VALID - 84.0 PERCENTAGE OF DATA INVALID - 7.4 PERCENTAGE OF DATA UNAVAILABLE - 8.6

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. "***** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

POLLUTANT - SULPHUR DIOXIDE UNITS - 0.01 PARTS/MILLION STATION - NE NO 77052 LOCKERBY SUDBURY AIRSHED MONTH - APR В 9 10 13 14 16 17 24 MEAN 0 0 0 0 0 0 6 7 8 9 12 13 14 15 16 17 18 19 20 o 0 0 0 0 2 ō o DATA INVALID 0 ***** - DATA INVALID - DATA INVALID 0 0 0 0 2 0 0 0 0 0 0 0 0 0 0 0 0 22 23 24 25 26 27 28 0 0 0 0 0 11 ...0 0 0 0 0 15 0 0 ...0 ...0 0.5

PERCENTAGE OF DATA VALID - 81.4

PERCENTAGE OF DATA INVALID - 18.6

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. *- INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - SULPHUR DIOXIDE UNITS - 0.01 PARTS/MILLION

				o er fri	u . u	VIDE								DMILE	. 0.	OT PA	K L S / W	ILLLIO	N						
	STA	TION .	NE	NO 7	7052	L	OCKE	RBY SU	DBUR	Y AIRS	SHED					MON	TH - 1	YAN	77						
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1 2 3 4 5 6 7 8 9	0 0 0 0 0 7 0 1	000000000	000000000000000000000000000000000000000	000000000	000000000	000000000	0000000000	00000000	0200000000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 3 0 0 0 0 0	000000000	0 0 11 0 0 0 0 0 0 0 0	1 18 0 0 0 43 0	1 2 23 0 0 1 56 0	1 3 10 0 0 1 69 0	2 1 14 0 0 0 6 0 0	1 0 29 0 0 0 0	1 0 0 0 0 0 0 0 0 0	1 0 0 0 0 0 0 0 0 0	00000000	000000000000000000000000000000000000000	000000000000000000000000000000000000000	000000000000000000000000000000000000000	0 1 4 0 0 0 8 0
11 12 13 14 15 16 17 18 19	0000000000	00000000	000000000	0 0 0 0 0 0 0 1 0	200000010	2002000000	0	0 0 4 0 0	4 0 0 9 0 0 0 2 3	10 0 2 0 2 18 12	4 0 0 0 0 0 8 6 6		3 9 0 0 0 0 1	7 16 0 0 0 0 0 0 0 0 2	5 7 0 0 0 0 0	5 2 0 0 0 0 0 0	1 2 0 0 0 0 0	0 2 0 0 0 0 0 0 0 0	0 2 0 1 0 0 0 0 0 0	0005000500	000000000000000000000000000000000000000	0000000000	0000000000	000000000	2 2 0 1 0 0 0 1 2 0
21 22 23 24 25 26 27 28 29 30	0 2 1 0 0 0 0 2 0 0	0 2 2 0 0 0 0 2 0 0	0 2 2 0 0 0 0 0 0	0 1 2 0 0 0 0 0 0 0	0 1 0 0 0 0 0 0	0 1 1 0 0 3 0 0 0 0 0	0 1 1 0 0 2 0 0 0 0 0	0 2 1 0 0 18 0 0 0	0 2 1 0 0 23 2 0 0 3	0 2 1 0 0 4 2 0 0 0	2 2 1 0 0 1 4 0	2 2 1 0 0 0 7 0 0 0	2 1 0 0 4 0 1	2 2 1 0 0 11 0 2	2 2 1 0 0 0 5 0 0 3	2 2 1 0 39 0 0 0	2 1 0 0 9 0 2 0 31	2 2 1 0 0 9 0 2 0 13	2 1 0 0 4 2 0 0	2 2 1 0 0 0 1 3 0 0 0	2 2 1 0 0 0 2 0 0 0	2 2 1 0 0 0 0 0 0 0 0 0	2 2 1 0 0 0 0 0 0 0 0	2 2 1 0 0 0 1 0 0 0 0	1 2 1 0 0 5 2 0 0 3
31 MEAN	0	0	0	0	0	0	0	0	2	2	0	1	2	0	0	5	2	2	0	0	0	0	0	0	1.2

PERCENTAGE OF DATA VALID - 97.3 PERCENTAGE OF DATA INVALID - 2.7 PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. ****** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEJS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POLI	LUTANT	- S	ULPHU	R DIOX	IDE								UNIT	s - o.	01 PA	RTS/M)	LLIO	V						
	STAT	TION -	NE	NO 7	7052	LO	OCKE	RBY SU	JDBUR	Y AIR	SHED					MON	тн - ,	JUN	77						
HOUR	1	2	3	4	5	6	7	В	9	10	1.1	12	13	14	15	16	1.7	18	19	20	21	22	23	24	MEAN
1 2 3 4 5 6 7 8 9	000005000	0 0 0 0 0 0 0 0	0 0 0 0 0 15 0 0 0	0000000000	0 0 0 0 0 4 0 0 0 0	000000000	0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	00000000	0 0 21 0 1 0 0 0	48 0 0 0 0	0 17 0 0 0 0 0 0	0 0 0 0 0 0 5	000000000000000000000000000000000000000	0 2 0 0	0 0 0 0 0 0 0 14	000000000	0 0 0 0 0 0 4	0 0 0 0 0 0 0 0 0	0 0 0 0 1 0 0 0 0 2	000000000	0 0 0 0 1 0 0 0 1	0 0 0 0 0 0 0 1	0 0 0 0 0 0 0 1	0 0 4 0 1 2 0 0 0 2
11 12 13 14 15 16 17 18 19	0 0 0 0 0 0 0 0 0	0 0 0 0 1 0 0 0	0 0 0 0 1 0 0 0	0 0 0 0 1 0 0 0	0 0 0 1 0 0 0 0	0 0 1	0 0 2 1 0 0 0 0	1 0 11 1 0 1 0 0	18 0 9 2 1 0 1 0 4	13 0 6 1 0 3 0 7	9 0 0 10 1 0 2 0 1 0	3 0 10 4 1 1 2 0 4	1 0 6 •••• 4 0 2 0 5	505.604060	25 0 1 0 3	0 5 35 0 0 4 0	0 0 15 27 0 0 0	0 0 20 16 0 2 3 0	0 3 11 10 2 0 2 2	0 10 7 - 2 2 0 0 0 0	9 10 - 2 3 0 0 0 0	0 0 4 . 2 3 0 0 0 0	2 2 0 0 0 0	0 0 0 0 0 0 0 0 0	2 1 5 8 1 1 0 2
21 22 23 24 25 26 27	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 1 0 0	0 1 1 0	2 0 2 0	0 0 0	20 0 0 0	6 0 0				O . LABLE LABLE	0 5 0	5 0	0 8 0	0	0	0 0 0 -	0 0 0 -	0	0	1 3 0
28 29 30 MEAN	0	0 1 0	0	0 0	0 0	0 0	0	0 0	1 2 0	0 0	0 0	1 0 2	0 0	0 0	1 1 0	1 0 3	0 0	1 0	2 2 0	3 0	3 7 0	2 2 0	0 0	0 0	1 . 3

PERCENTAGE OF DATA VALID - 86.8 PERCENTAGE OF DATA INVALID - 1.7 PERCENTAGE OF DATA UNAVAILABLE - 11.5

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNITS - 0.01 PARTS/MILLION

	STA	TION	- NE	NO	77052		LOCKE	RBY S	UDBUR	Y AIR	SHED					MON	NTH -	JUL	77						
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 1	MEAN
1	0	0	0 *		0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	1	1	0
2	Ü	0	0	2	3	1	0	0	0	1	7	12	0	1	1	2	1	0	0	0	0	0	0	0	1
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0		2	0	0	0	0	10	1.2	3		0	0	0	0	0	0	0	0	0	0	0	0	0
6	ő	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	o	0	Ö	0	0	ó	0	0	0	0	0	0	ő	0	0	0	0	0	0	0	0	0	0	o	ő
8	o	0	ő	o	0	0	0	0	2	3	5	2		****		****	****		0				0	0	
9	ő	0	0	o	0	0	0	0	ő	0	ő	ō	0	0	0	0	0	0	0	0	0	0	o	0	0
10	ŏ	0	0	0	0	0	0	Ö	ő	0	ő	o	ő	ő	0	o	0	0	o	Ö	0	0	0	o	o
			~			-										~									
11	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0			****		****	0	ō	0	o	o	o	o	0	o	Ö
13	0	0	0	0	0	0	0	0	1	3	4	21	1.1	1.1	6	4	7	30	9	1	ő	1	1	o	5
14	0	0	D	0	0	0	0	****	o	0	0	0	(6)	0	0	0	0	0	0	ò	ő	Ö	0	0	ō
15	0	0	0	0	0	0	0	0	0	2	1	3	3	4	26	13	22	20	6	o	ő	0	o	ō	4
16	0	0	ō	0	0	0	0	0	1	2	2	3	1	0	0	0	0	0	0	ő	ő	o	o	0	0
17	0	0	0	0	0	0	0	0	- 1	2	2	0	1	1	2	1	o	0	1	1	o	0	ō	1	1
18	0	0	0	0	0	0	0	0	0	0	0	0	Ó	o	0	0	0	Ö	0	ó	ō	0	0	0	0
19	0	0	0	0	0	0	0	****	1	1	0	0	0	0	0	0	0	0	0	o	o	0	0	0	0
20	0	0	0	0	0	1	1	2	1	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
21	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	1	1	3	2	1	1	0	0	0	0	0	0	0	0	0	0	0	3	12	10	3
23	4	2	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1.	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	4	1.	3	1	3	0	0	3
26	0	0	2	3	3	3	3	3	2	0	0	1	1	****	0	0	0	1	0	0	0	0	. 1	0	1
27	0	0	0	0	0	D	0	0	1	8	2	2	0	0	0	0	0	0	0	0	0	0	0	0	1
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	****	****	****	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	1	1	1	2	1	1	. 1	1	1	2	1	0	0	0	0	0	0.6

PERCENTAGE OF DATA VALID - 96.9

PERCENTAGE OF DATA INVALID - 3.1

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

POLLUTANT - SULPHUR DIOXIDE UNITS - 0.01 PARTS/MILLION STATION - NE NO 77052 LOCKERBY SUDBURY AIRSHED 20 21 22 23 9 10 11 12 13 14 15 16 17 18 19 HOUR DAY 8 0 0 7 0 0 0 0 0 0000 000000 0 0 0 0 0 1 11 0 1 0 1 2 0 0 2 0 3 1 0 0 0 0 0 0 0 0 1 000 00 00 0 0 0 31 0000 10 3 0 0 1 11 12 13 14 15 16 17 18 19 20 0 0 0 0 0000 003005300 00003 10 0 0 2 0 4 0 6 **** 0 0 0000 0000 10 0 0 00 0 000 0 0 5 21 22 23 24 25 0 0 0 26 29 30 2 3 2 31 2 2 1.0 1 MEAN 1

PERCENTAGE OF DATA VALID - 96.5

PERCENTAGE OF DATA INVALID - 3.5

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. *-* INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - SULPHUR DIOXIDE UNITS - 0.01 PARTS/MILLION

	ST	ATION	4 - 4E	NO	77052	1	LOCKE	RBY :	SUBBUR	Y AIF	SHED					MOM	TH -	SEP	77							
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	3	3	3	3	3	3	3	3	3	2	2	2	2	2	2	1	1		1	1	1	1	1	1	2	
2	0	1	4	5	3	2	1	1	1	1		1	1	1	1	1	7	5	2	5	7	4	2	1	2	
3	1	1	3	1	1	1	1	1		0	0	0	0	0	24	27	19	4	1	0	0	0	0	0	2	
4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	2	1	2	2	1	
5		2	2	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
6	1	2	2	2	1	1	1	1	1	1	1	2	2	3	3	2	1	1	1	1	0	1	1	1	1	
7	1	1	1	1	3	2	1		0	0	0	0	0	0	0	0	D	0	0	0	0	0	0	0	0	
8	0	0	0	0	1	1	1	1		0	0	0	****	- 1	0		0	0	0	0	0	0	0	0	0	
9	1	1	1	1	1	1	1		740	190		0	0	1	1	1	1	0	0	0	0	0	0	0	1	
10	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
11	0	0	0	0	0	D	0	0		4	13	17	24	2	3	3	1	0	0	0	0	0	0	0	3	
12	0	0	0	0	0	0	0	0	0		1	0	5	****	2	3	3	0	0	0	0	0	0	0		
13	0	0	0	0	0	0	0	****	****	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
17	0	0	0	0	0	0	0	0	0	0	0	0	2	4	5	1	0	0	0	0	0	0	0	0	1	
18	0	3	0	0	0	0	0	0	0	0	0	1	3	4	8	4	5	4	5	В	0	0	0	0	2	
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			****	0	
20	****	****		0	0	0	0	0	0	0	0	0	0	****	****	••••	• • • •	0	0	0	0	0	0	0	0	
21	0	0	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0	0	* * * *		0	
22						****	****	0	0	0	0	0	0	2	7	17	9	В	20	21	13	12	9	5	7	
23	6	4	-4	4	6	5	3	1	1	0	0	0	****	0	0	0	0	0	0	0	0	0	0	0	1	
24	0	0	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
25	0	0	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
28	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	1	0	0	0	0	0	0	0	0	0	
29	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
30	****	4	-	000	(*)			*	-	90			****	0	0	.0	0	0	0	0	0	0	0	0	*****	
MEAN	1	1	1	1	1	1	1	0	0	0	1	1	2	1	2	2	2	1	1		1	1	1	0	0.9	

PERCENTAGE OF DATA VALID - 93.8 PERCENTAGE OF DATA INVALID - 4.4

PERCENTAGE OF DATA UNAVAILABLE - 1.8

NOTES 1. "***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. *- INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POL	LUTANT	- 5	ULPH	UR DIOX	IDE							į	UNITS	- 0.1	D1 PA	RTS/M	ILLION	N						
	STA	TION -	NE	NO	77052		OCKERB	Y SI	JDBURY	AIRS	HED					MON	тн - (OCT	77						
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	WEAN
1 2 3 4 5 6 7 8 9	0000000000	0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0	00000000	000000000000000000000000000000000000000	000100000	0 0 0 0 0 0 0 0 0 0	000000000	000000000000000000000000000000000000000	0 0 0 2 0 1 0 0 0 1	0 0 3 0 2 0 0 0 3	0000000004	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	00000000	00000000	000000000	000040000	000000000	0000000000	0000000000	000000000	0000000	0 0 7 0 0 0 0 0 0	0 0 1 2 0 0 0 0 0
11 12 13 14 15 16 17 18 19	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0	00000000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	000000:030	000000000	0000000400	0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	000000000	0 0 0 0 0 0 0	0 0 1 0 0 0	0 0 2 0 0 0 28 - 1 0	0 0 4	0 0 5 0 0 0 13 0 1 0	0150000000	000000000	0510000060	0 0 1 0 0 0 0 0 4 0	001000000	0 0 1 0 0 0 0 0 0	000000000	000000000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
21 22 23 24 25 26 27 28 29 30	005000000	0 0 0 0 0 0 0 0 0 0	00200000	000000000000000000000000000000000000000	000000000	000000000	000000000	000000000	0 0 0 0	000000000	0 0 1 0 0 0 0	0 0 1 0 0 0 0 0 0	00000	000000000	00000000	000000000	000000000	000000000	000000000000000000000000000000000000000	00000000000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	000000000	0000000000	000000000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
31 MEAN	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0 *	0	0	0	0	0	0 0.4

PERCENTAGE OF DATA VALID - 98.7 PERCENTAGE OF DATA INVALID - 0.9

PERCENTAGE OF DATA UNAVAILABLE - 0.4

- 2. *- * INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEJS THAN 2/3 VALID DAYA FOR DAILY MEAN IN ONE DAY

UNITS - 0.01 PARTS/MILLION

	ST	ATION	- NE	NO	7705	2	LOCK	RBY	SUDBUR	SA VI	RSHED					MO	NTH -	NOV	77							
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	3 14	15	16	17	18	19	20	21	22	23	24	MEAN	
1 2	0	0	0	0	0	0		0	0	0	0	0		0	0	0	0		0	0	0	0		0		0
3	0	o	0	o	0	o		0		****	****	****					0	0	0	0	0	0		0		0
4	0	0	0	0	0	0	0	0	****	0	0	0		0 0	0	0	0	0	0	0	0	0		0		0
5	0	0	0	ō	0	o	0	0	0	0	a	o	ò		0	0	0	0	0	0	0	0	0	0		0
6	0	0	0	0	0	0	0	ō	0	0	2	25	2		5	5	3	4	16	6	2	2		0		4
7	0	0	0	0	0	0	0	0		****	****		***						****	****						•
8		****		****	****		****			****	****		****	. 0	0	0	0	0	0	0	0	0	0	0		
9	0	0	0	0	0	0	0	0	0	0	****				ő	ō	o	o	ő	ő	0	ő	ő	ő		0
10	0	0	0	0	0	0	0	0	0	0	0	0	Ċ		ō	o	o	o	ő	ő	0	0		o		Ö
11	0	0	D	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0		0
12	0	0	0	0	0	0	0	0	0	0	0	0			o	0	o	o	ő	ő	0	0	ő	ő		0
13	0	0	0	0	0	0	0	0	0	0	0	0	c		ő	ő	0	0	ő	ő		2	5	9		1
1.4	7	2	1	0	0	0	0	0	0	0	0	0		0	o	ő	o	0	o	ő	ò	0	ő	ő		0
15	0	0	0	0	0	0	0	0	0	0	0	0		0	ō	o	0	0	0	ő	ő	o	ő	ő		Ö
1.6	0	0	0	0	0	0	0	0	0	0	0	0		0	ō	0	0	0	o	ő	ő	ő	ő	ő	- 7	Ö
17	0	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0	ő	ő	o	o	o	ì	0
18	0	0	0	0	0	0	0	0	0	0	0	0		0	o	0	0	0	0	o	o	ŏ	ő	o		
19	0	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0	o	ő	ō	Ö	o	č	
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	ō	ō	0	0	ć	ó
21	0	0	0	0	0	0		0	0	0	0	0			0	0	0	1	2	1	9	1	0	0		í
22	0	1	1	0	0	0	1	0	****	0	0	0			0	0	0	0	0	0	0	0	0	0	(3
23	0	0	0	0	0	0	0	٥	0	0	0	0	0		0	0	0	0	0	0	0	0	3	5		5
24	4	2	0	0	0	0	0	0	0	0	0	0			1			-					-			
25 26 27 28 29												- D	ATA L	ILAVAII ILAVAII ILAVAII ILAVAII	ABLE ABLE ABLE	•										
30	0	0	0	0	0	0	0	-	-			- 1	0		0	0	0	0	0	0	0	0	0	0	*****	4
MEAN	-	-	-					0	0	0	0	0			0	0	0	0	0	0	0	0	0	0		3
MEAN	0	0	0	0	0	0	0	0	0	0	0		1	0	0	0	0	0	1	0	1	0	0	1	0.3	3

PERCENTAGE OF DATA VALID - 77.9 PERCENTAGE OF DATA INVALID - 5.8

PERCENTAGE OF DATA UNAVAILABLE - 16.3

NOTES 1. ****** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. *- * INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	PO	LLUTAN	τ	SULPH	UR DI	OXIDE								UNITS	s - o.	01 PAF	RTS/M	LLIO	N							
	ST	ATION	- NE	NO	77052		LOCKE	RBY S	UDBUR	Y AIR	SHED					MON	тн - с	DEC	77							
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	ě
1 2 3 4 5 6 7 8 9	000000000000000000000000000000000000000	0 0 0 0 0 0 0 0 0	000000000	0000000000	000000000000000000000000000000000000000	0 0 0 0 0 0 0 13 0	00000000	00000	0 0 0 0 0 0 0 0 1		0 0 0 0 0 0 0 0 1	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	000000000000000000000000000000000000000	0 0 0 0 0 0 0 0	000000000	0000000000	000000000000000000000000000000000000000	0000000000	0000000000	000000000	0 0 0 0 0 0 0 1	000000000000000000000000000000000000000		000000011
11 12 13 14 15 16 17 18 19		0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	000000000000000000000000000000000000000	****		000000000000000000000000000000000000000	000000000000000000000000000000000000000	0 0 0	000000000000000000000000000000000000000	000000000000000000000000000000000000000	000000000000000000000000000000000000000	000000000000000000000000000000000000000		00000	00000000	00000000	00000000	00000000	0000000000	000000000	000000000	000000000	000000000000000000000000000000000000000		00000000
21 22 23 24 25 26 27 28 29 30	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0000000000	000000000000000000000000000000000000000	000000000000000000000000000000000000000	0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	000000000	00000000	0000000000	000000000	000000000	000000000	0000000	0 0 0 0 0 0 0 0	00000000	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0	000000000	0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	000000000000000000000000000000000000000	000000000000000000000000000000000000000		0 0 0 0 0 0 0 0
31 MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	0	0		0.1

PERCENTAGE OF DATA VALID - 95.3 PERCENTAGE OF DATA INVALID - 4.7

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. *-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

MONTHLY SUMMARY OF HOUSELY AND 2-HOURLY DATA FOR 1977

DEC

YEAR

MONTHE TOWNER	OF HOUSELY AND 2-HOURT	V DATA FOR 1977		
POLLUTANT - SUL	PHUR DIOXIDE		UNITS - 0.01 PARTS/MILL	ION
STATION - NE N	0 77052 LOCKERBY 5	SUDBURY AIRSHED		
MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	30	0.8	6	27
FEB	27	0.8	3	12
MAR	27	1.9	14	83
APR	24	0.5	5	35
MAY	31	1.2	8	69
JUN	26	1.3	8	48
JUL	30	0.6	5	30
AUG	30	1.0	4	31
SEP	29	0.9	7	27
OCT	31	0.4	3	28
NOV	22	0.3	4	25
DEC	30	0.1	1	13
YEAR	337	0.8	14	83

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1977 POLLUTANT - SULPHUR DIOXIDE UNITS - 0.01 PARTS/MILLION STATION - NE NO 77052 LOCKERBY SUBBURY AIRSHED MONTH 00 TO 04 05 TO 10 11 TO 14 15 TO 25 26 TO 39 40 BOVER TOTAL FEB MAR APR MAY JUN JUL AUG D SEP OCT NOV

FREQUENCY DISTRIBUTION BY PERCENTILES PERCENT OF DATA VALID CONCENTRATIONS
FREQUENCY DISTRIBUTION, PERCENT
50 70 90 95 MIN 10 30 ARITH MEAN MAX 91.8 0 0.0 0.0 0.0 0.0 1.6 3.3 13.9 0.8

UNITS - 0.01 PARTS/MILLION

	ST	ATION	- NE	NO	77065		FALCO	NBRID	GE RO	AD SU	DBURY					MON	тн -	JAN	77						
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1 2 3 4 5 6 7 8	0000	00000	000000	00000	0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	000000	0 0 1 0 0 0 0 0 0 0 0	0 1 1	0 9 1 0 0 0	0 3 1 0 0 0 0	0 1 1 0 0 0 0 0 0 0 0 2	0 4 1 0 0 0 0 5	0 4 1 0 0 0 0 0 4	0 3 0 0 0 1 0 0 2	0 2 0 0 0 1 0 0 3	0 1 0 0 1 0 2 2	0 1 0 0 1 0 0 2 1	0 1 0 0 0 0 0 0 1	0 1 0 0 0 0 0 0 1	0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	00000	0 0 0 0 0 0 0 0 1
10 11 12 13 14 15 16 17 18 19 20	9 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	7 0 0 0 0 0 0 0 0 0 0 0 0	1 0000100000	0 0 0 0 0 0 0 0 0	0 0 1 1 0 0 0 0 0	0 0 1 1 0 0 0 0 0 0 0 0 0	0 0 1 1 0 0 0 0 0 0 0	0 0 2 1 0 0 1 0 0 0	0 0 3 9 0 0 0 0 0	0002810000	0 0 0 2 11 1 0 0 0 0 0	0 0 0 0 4 4 0 0 0 0 1	0 0 0 4 6 0 0 0	0 0 0 4 6 0 0 0 7	0000500007	3 0 0 0 0 4 0 0 0 4	1 0 1 0 1 1 0 0 0 0 0 2	1 0 0 0 7 1 0 0 0 1	0 0 0 7 2 0 0	0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 1	0 0 0 0 0 0 0 0 0 0	0 0300000000	0 0000000000000000000000000000000000000	1 0 0 1 3 1 0 0 0 0 0 1
21 22 23 24 25 26 27 28 29 30	000000000000000000000000000000000000000	0 0 0 1 3 1 1 2 1 1 1	0 0 0 1 3 1 24 6	0 0 0 1 2 1 2 5 5	0	0 0 0 1 1 2 6	0 0 0 1 0 1 2 1	0 0 0 2 0 1 2 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 2 0 1 7 0	0 0 0 2 0 9 1 2	000000000000000000000000000000000000000	0 0 0 4 0 0 1 1	0 0 4 0 4 1 3	0 0 4 0 2 1 12	0 0 3 0 2 6 12	0 0 0 3 0 1 5 7	0 0 1 3 0 1 5 4	0 0 3 3 0 1 3 3 3	0 0 2 3 0 1 7 2	0 0 1 4 0 1 2 1	0 0 0 4 0 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 4 0 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 4 0 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 3 0 1 4 0	0 0 3
31 MEAN		1	****	****				****	1	****	****	0	0	0	0	0	1	1	0	0	0	1	1	0	0.8

PERCENTAGE OF DATA VALID - 90.2 PERCENTAGE OF DATA INVALID - 9.5 PERCENTAGE OF DATA UNAVAILABLE - 0.3

NOTES 1. ****** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POLL	UTANT	- S	ULPH	UR DI	OXIDE							u	NITS	- 0.0	1 PAR	TS/MI	LLION	E						
	STAT	ION -	NE	NO	77065		FALCO	VBR I DO	SE ROA	AD SU	DBURY					MONT	н - ғ	EB	77						
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 M	
1 2 3 4 5 6 7 8 9	0 0 2 0 0 0 0 3 2 2	0 0 1 0 0 0 0 2 2 2	0 0 2 0 0 0 1 1 1 1	0 0 6 0 0 0 1 0 2 1	0 0 3 0 0 0 1 0 2 1	0 0 2 0 0 0 1 0 2 1	000000000000000000000000000000000000000	0 0 0 0 0 1 0 2 1	0 2 2 0 0 0 1 0 2 1	0 0 0 0 0 0 0 2 1	0 0 0 0 0 0 3 1	0 0 0 0 0 0 3 1	0 0 0 0 0 3 1	0 0 0 0 0 0 0 0 0 0 0 0 1	0 0 0 0 0 0 3 2	0 0 0 0 0 0 3 3	0 0 0 0 0 0 4 3	0 0 0 0 0 1 4 3	0 0 0 0 0 1 3 3	0 1 0 0 0 0 0 2 2 6	0 2 1 0 0 0 0 2 2 6	0 3 1 0 0 0 0 2 2 6	030000224	0 2 0 0 0 3 2 2 4	0 1 1 0 0 0 1 1 1 2 2 2
11 12 13 14 15 16 17 18 19	2100000000	3 1 0 0 0 0 0 0 0 0 0 0	3 1 0 0 0 0 0	3 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	3 2 0 0 0 0	3 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	3 1 0 0 0 0 0	4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	3 0 0 0 0 0 0 0 0 0 0 0 1	20000000	2000000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1000006200	100000000000000000000000000000000000000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	000000000000000000000000000000000000000	200000300	0 0 0 0 0 0 0 0 0	200000000000000000000000000000000000000	0 0 0 0 0 0	100000000	0 0 0 0 0 0 0 0	1000000000	0 0 0 0	200000000000000000000000000000000000000
21 22 23 24 25 26 27 28	0 1 1 0 0 0 0 0 0	0 1 1 0 0 0 0 0 0 0	0 1 1 0 0 0 0 0 0	0 1 1 0 0 0 0 0 0	0	0 1 1 0 0 0 0 0 0 0	1 2 0 0 4	0 1 14 1 0 1 0	0 1 12 1 0 0	0 1 3 1 1 1 0 0	0 1 12 1 1 2 0	3 1 10 1 2 4 0	9 1 17 1 2 2 0	14 1 14 1 3 2 0	22 1 9 1 4 7 0	1 1 1 4 17 0	0 0 1 0 5 14 1	0 0 2 0 5 5 1 5	0 0 0 0 1 1	0 0 0 4 0 0 0	0 0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0 0	2 1 4 0 2 3 0
MEAN	1	0	0	1	3	0	i 1	-1	1	1	1	-1	2	2	2	1	1	1	1	1	1	1	1	1	0.9

PERCENTAGE OF DATA VALID - 98.5 PERCENTAGE OF DATA INVALID - 1.5

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. *- INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNITS - 0.01 PARTS/MILLION

	STA	TION -	NE I	NO 770	065	F	ALCONBRID	E ROA	D Sul	DBURY					MONT	H - N	IAR	77						
HOUR DAY	1	2	3	4	5	6	7 8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 ME	N.
1 2 3 4 5 6 7 8 9	000000016	0 0 0 0 0 0	0 0 0 0 5 0 0 0 1 2	0 0 0 15 0 0 0 1 7	0 0 0 1 2 0 0 0 1 2	0 0 0 5 0 0 1	0	0000800010	0 0 0 0 0 0 0 1 0	0 0 0 1 0 0 3 1 0	0330200612	0 3 5 0 5 0 1 1	05 12 06 00 1 1 4	0 5 7 0 3 0 2 1	0260202011	0290002011	0 5 7 0 0 0 0 0	0 7 3 5 0 0 0	0 2 1 0 0 0 0 0 2 0	0010002040	0 0 1 0 0 0	0 0 0 0 0 0 0 0	0 0 1 0 0 0 3	0 1 2 1 2 0 1 1 1 2
11 12 13 14 15 16 17 18 19	2 0 19 0 0 1 0 0 0 0 0	0 5 0 2 2 0 0	2 0 1 0 2 1 0 0 0	2 0 0 0 1 0 0 0 0 0 0 0	1 0 0 1 0 0 1 0 0	3 1 0 3 0 0 3 8 0	2 4 0 3 4 0 0 9	15 7 0 0 3 0 0 25 0	23 40 0 0 2 0 0 2	6 29 0 0 2 0 0 2	3 0 0 2 0 3 0 23	4 2 0 0 2 0 0 4 5 3	300000000000000000000000000000000000000	4 0 0 0 0 0 0 0 19 0	5 0 0 0 0 0 0	300000000000000000000000000000000000000	2 0 0 0 0 3 1 0	100000000000000000000000000000000000000	0 11 0 0 0 4 3 0 2	0500005102	0000000000	0 14 0 0 0 0 0 0 0 0 0	0 25 0 1 0 0 0	4 7 1 0 1 0 1 5 2
21 22 23 24 25 26 27 28 29	0 0 0 0 0 0 3 0 1 0	4 2 0 0 0 0 2 0	0 0 0 0 0 1 0	0 35 0 0 0 0 1 0	0 32 0 0 0 0 0 0 4	0 15 1 0 0 0 0 1 1	0	0 1 0 0 1 0 0	0 1 0 0 4B 0 0	0 0 0 15 1 0	0 0 1 0 2 1 0 1 0	0 0 0 0 0 0 0 0	0 0 0 0 12 0 0 0	0 0 0 0 1 2 0 1	4 0 0 0 6 0 6 0	16 0 0 0 5 0 1 0 2	20 0 0 0 0 0 1 0 1	500000000000000000000000000000000000000	2 0 0 0 0 1 0 1 0 0	3 0 0 0 2 0 1	2 13 0 0 0 3 0 1 2	0 2 0 0 2 0 1 1 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2600050110
31 MEAN	0	0	0	0 2	0 2	0 2	0 ****	0 2	0	0	0 2	0	0 2	0 2	0 2	2	1	0	0	0	0	0	0	1.6

PERCENTAGE OF DATA VALID - 95.8

PERCENTAGE OF DATA INVALID - 4.2

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. "**** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. *- INDICATES DATA IS UNAVAILABLE
- 3. "***** INDICATES LEJS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

POLLUTANT - SULPHUR DIOXIDE UNITS - 0.01 PARTS/MILLION STATION - NE NO 77065 FALCONBRIDGE ROAD SUDBURY MONTH - APR 77 HOUR 7 8 24 MEAN 0 2 3 4 5 6 7 8 9 0000-00000 1 **** 0 **** 0 **** 0 **** 1 0 1 1 12 13 14 15 16 17 18 19 20 000000-000 0 0 0 0 0 1 0 0 1 21 0 0 0 0 1 1 1 2 0 0 0 2 5 0 0 0 3 4 1 1 2 0 0 1 0 1 1 0 22 23 24 25 26 27 28 29 30 0 2 DATA INVALID 1 **** 0 0 0 0 5 4 1 0 0 0 0 0 1 0 0 1 0 1 MEAN 1.4

PERCENTAGE OF DATA VALID - 86.8

PERCENTAGE OF DATA INVALID - 13.2

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNITS - 0.01 PARTS/MILLION

	STA	TION	- NE	NO	77065		FALCO	NBRID	GE RO	AD SUE	BURY					MONT	H - N	1A Y	77						
HOUR	1	2	3	4	5	6	7	8	9	10	11.	12	13	14	15	16	17	18	19	20	21	22	23	24 M	EΔN
1 2 3 4 5 6 7 8 9	1 0 0 1 0 1 0 0	1 0 0 1 0 0 0	1 0 0 1 0 0 0	1 0 0 0 0 1 0 0 0	1 0 0 0 0 2 0 1 0 1	1 0 0 1 0 2 0 1 0	0 0 0 1 0 0 0 0 0	0 0 0 0 0 0 0 0	0 17 1 1 0 0 0	1 1 1 0 0 0 0 0 0 0 0	1 0 1 1 0 0 0 0 0 0 0	1 0 0 0 0 0 0 0	1 0 0 0 0 0 0 0 0 0	1 0 0 1 1 0 0 0 0	1 0 0 1 1 0 0 0 0	1 0 0 0 0 0 0	1 0 1 1 0 0 0 0 0	2 0 3 1 1 0 0 0 0	2 0 5 6 1 0 22 0 0	203310900	2 0 1 1 1 0 0 0 0	1 0 1 0 0 0 0 0 0	1 0 0 0 0 1 0 0 0	0 0 1 0 0 0 1 0 0 0	1 1 0 0 0 1 0 0 0
10 11 12 13 14 15 16 17 18 19 20	0 0 0 0 1 1 1 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 1 1 1 0 0	000100000000000000000000000000000000000	- 4	1 0 2 3 1 4 4 1 0 0	0 0 0 2 2 1 3 2 0 2		0 0 0 1 0 1 1 - 4 13	0 0 0 1 0 5 1 0 5 0	0 0 0 2 12 2 2 0 4	0 0 0 2 1 1 3 3 0 2 2	0 0 0 1 9 7 8 0 4	0 0 0 1 19 36 21 0 2	0 0 0 1 20 10 28 0 12 24	0 0 0 0 21 2 5 0 15 25	0 0 0 0 14 5 1 0 16 18	17 0 0 0 3 2 3 0	3 0 0 0 2 2 4 0	3 0 0 1 2 2 1 1	2 0 0 1 2 1 1 4 0 0	0 0 0 1 1 1 1 0 0	0 0 0 0 1 1 1 0 0 0 0	0 0 0 0 1 1 1 0 0 0 0	1 0 0 1 5 4 4 1 3 6
21 22 23 24 25 26 27 28 29 30	0 0 0 0 0 1 5 0	2 0 0 0 0 1 0 1 1 0	1 0 0 0 0 0 0 1 2	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 3	000000000000000000000000000000000000000	0 0 0 1 0 0 1	0	0 0 0 0 0 0 0	0 0 0 0 0 0 0 1	0 0 0 15 0 0 0 0 9 7	0 0 27 0 0 0 0 2	0 0 0 14 0 0 0 0 2 6	0 0 0 0 0 5 5	0 0 3 13 0 0 0 0 2 3	0 0 0 8 0 0 0 0 0 2	0 0 7 0 0 0 0 0	0 9 0 0 0 0 2 27	0 0 4 0 0 4 0 0 28	0 0 0 3 0 0 1 10 0 7	0003000402	0 0 0 0 0 0 0 0 0	000000000000000000000000000000000000000	0 0 0 0 0 1 1 7 0 0	0 0 0 5 0 1 0 2 2
31 MEAN	0	0	0	0					0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.5
MEAN	0	U	U	U	1	1					*	*	-	- 3	4	-	-	-		_	7	-			

PERCENTAGE OF DATA VALID - 98.8 PERCENTAGE OF DATA INVALID - 1.1

PERCENTAGE OF DATA UNAVAILABLE - 0.1

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. "***** INDICATES LEJS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POL	LUTANT	- S	ULPHL	R DIOX	IDE							L	NITS	- 0.0	1 PAF	RTS/MI	LLION	1						
	STA	TION -	NE	NO 7	7065		FALCON	BRIDG	E ROA	D SUD	BURY					MONT	гн - "	IUN	77						
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	. 19	20	21	22	23	24 N	IEAN
1 2 3 4 5 6 7 8 9	000600000	000000000000000000000000000000000000000	0 0 0 1 0 0 0 0	0 0 1 0 2 0 0 0	0000	0 0 0 1 0 0 0 0 0 3	0 0 0 0 0 0 0 7	000000000	0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 52	0 0 0 0 0 0 0 0 14	0 0 0 1 0 0 0 0	0 0 0 5 0 0 0 0 0 16	0 0 7 0 0 0 0 0 1 1	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 7 0 25 0 0 0	0 5 0 3 0 0 0	0 43 0 0 0 0 0	0 0 47 1 0 0 0 0	0 0 0 0 0 0 0 14	0000000000	0 0 0 0 0 0 0	000000000	0 0 4 0 0 0 0 0 0	0 5 1 1 0 0 0
11 12 13 14 15 16 17 18 19	0 0 17 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 15 0 0 0 0 1 0	190000	0 0 0 0 0 0 0 0	0000000000	0 0 0 0 0 0 1	2 0 32 0 0 0 0	1 0 21 0 0 0 0 0	1 0 87 18 0 0 0	7 0 38 5 0 0 0 0	8 0 9 3 0 0 0 0 0	44 0 10 1 0 0 0 0	79 0 7 2 0 0 0 0	39	1 0 8 0 1 1 3 1 0	0 0 1 0 2 1 10 0 0 0	0 0 2 0 2 1 3 0 0 0	0 5 0 12 1 0 0	0 0 15 0 14 2 0 3	0 0 2 0 3 2 0 1 0 0	0 0 6 0 2 2 1 0 0 0	0 0 2 0 3 2 6 0 0	0 0 1 3 0 0 0 0 0 0 0	8 0 11 4 2 1 1 0 0
21 22 23 24 25 26 27 28 29 30	0 0 2 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0	000000000000000000000000000000000000000	000000001	0 0 1 0 0 0 0	000000000	0 1 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 29 1 0 0 0 0	0 0 36 3 0 0 0 0 0 0 0 0 0 0	0 25 4 0 0 1 0 37	0 0 15 15 1 0 0 0	0 6 4 0 12 6 0	0 9 1 0 8 0	0 0 0 0 10 0 0	0 0 0 0 25 0	0 0 0 0 3 0 1 0 0	0 0 0 0 2 0 2 0 0	0 0 0 0 0 0 0 0 0 0	0 0 0 2 0 0 0	0 2 0 2 0 0 1 0 0	0 3 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 5 1 0 3 0 0 2 1
MEAN	1	1	1	1	0	0	0	1	1	6	4	3	5	5	3	3	2	3	3	2	1	1	1	1	1.9

PERCENTAGE OF DATA VALID - 99.9 PERCENTAGE OF DATA INVALID - 0.1 PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNITS - 0.01 PARTS/MILLION

	STA	TION	NE.	NO 3	77065	3	FALCO	NBR I DG	E ROA	D 5UD	BURY					MON	тн - ,	au L	77						
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 N	EAN
1 2 3 4 5 6 7 8 9	0 0 3 1 0 0 0 0 0	000000000	0 0 2 0 0 0 0 0 0	0 0 3 0 1 0 0 0 0 0	3 0 1 0 6 0 0 0 0 0 0	1300000	3 0 0 0 15 0 0	17 0 0 0 2 0 0 1 0	7 0 0 0 0 0 0 0	000040000	0 0 5 7 0 0 0	00004400000	5 3 0 0 0 0	0 0 0 0 0 0 0 0 0 0	000000000000000000000000000000000000000	1 0 0 21 0 0 5 0	1 0 0 9 0 0 0 17 0 2	4 6 0 8 0 0 2 2 2	0 7 0 7 0 0 0 5 0 2	0603000100	0 1 0 0 0 0 0 1	000100000	0 0 0 0 0 1 0 0	0 0 0 0 0 0 0 0 0	2 1 0 4 2 0 0 2
11 12 13 14 15 16 17 18 19	000000700	0 0 0 0 5 0 4 0 0	0 0 0 0 3 0 5 0 0	000000000000000000000000000000000000000	0 0 0 0 4 0 10 0 0	0 0 0 1 2 0 19 0	0 0 0 0 1 2 0 2 0 2	0 0 0 1 1 0 0 3 0	0 0 0 1 4 0 0 2	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	000000000000000000000000000000000000000	0 0 5 0 1 0 8 1 8	0 0 0 11 0 8 1 0 7	0 0 1 0 5 2 0 1	0 0 0 0 0 11 0 8 1	0000080314	0 0 0 17 0 0 0	0 0 0 0 18 0 0 0 3	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	00000000	000010000	0000100000	000000000	000000000	0 0 0 1 0 4 0 3 2 2
21 22 23 24 25 26 27 28 29	000000000	000000000	000000000	0 0 0 0 0 0 0	000000000000000000000000000000000000000	00000000	000000000000000000000000000000000000000	0 0 0 0 0 12 0 0 0	000000000000000000000000000000000000000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 2 0 0 0 0 0 1 0	0 26 0 0 0 1 0 0	0 30 0 0 7 0 0	0 0 12 0 0 0 10 0 5	0 7 0 0 0 19 0 27	0 0 0 0 0 14 0 0 6	0 3 0 0 28 0	0 5 0 0 24 0 0	0 0 3 1 0 0 26 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	00000000	000000000	005000000	00000000	0050006002
31 Mean	0	0	0	0	0	0	0	0	0	0	0	0	о з	0	0	1 2	2	8	2	,	1	3	3	0	1

PERCENTAGE OF DATA VALID - 100.0

PERCENTAGE OF DATA INVALID . 0.0

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. ****** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. "***** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

POLLUTANT - SULPHUR DIOXIDE UNITS - 0.01 PARTS/MILLION STATION - NE NO 77065 FALCONBRIDGE ROAD SUDBURY MONTH - AUG 77 HOUR 3 4 30 8 2 0 0 0 0 2 0 0 2 12 13 14 15 16 17 18 19 20 0 7 0 0 0 0 0 0 0 3 0 0 20 0 0 0 0 0 0 0 16 0 22 23 24 25 26 27 28 29 30 DATA INVALID MEAN 0.9

PERCENTAGE OF DATA VALID - 88.7

PERCENTAGE OF DATA INVALID - 11.3

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

															0.0	r a	1 2 7 m 1	FFIC							
	STA	TION	NE	NO	77065	F	ALCON	BRIDGI	E ROA	D SUC	BURY					MON	н - 9	EP	77						
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 1	MEAN
1 2 3 4 5 6 7 8 9	0 0 0 0 0 1 0 10	0 0 0 0 0 0 0 0 0 6	0 0 0 0 0 0 1 0 5	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 3 0 2 0 0 4 15 0 3	0 7 0 0 0 0 21 1	0 4 0 0 0 0 1 1 0 0	0 8 0 1 0 3 3	0 0 0 0 0 0 0 0	0 1 0 0 0 0 0 0	000000000	000000000	0 0 0 0 0	0 2 0 0 0 0 0 0 0	050000000	0 29 0 0 0 0 0 0 0	090000000	060000000	0 3B 0 0 0 0 0 0 8	0 10 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 2 0 0 0 0 0 0 0	0 1 2 0 0 0 0 0 0 0 0	0 2 2 0 0 0 0 0 4 0	0 3 2 0 0 0 0	0 6 0 0 0 0 1 1 1 1 1
11 12 13 14 15 16 17 18 19	0 0 0 1 0 0 0	0 0 0 0 0 0 0 0	000000000	000000000	00000000000	000000000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0000000000	000030000	0000300300	000000000000000000000000000000000000000	000000040	0 0 0 0 0 1 2 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0	000000000000000000000000000000000000000	0000002	0000002400	0 0 0 0 0 1 6 0 0	0 0 0 0 0 0 2 4 0 0	0 0 0 0 0 1 1 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 1 0 0 0 0 0 0	0 0 2 0 0 0 0 0 0	000000000000000000000000000000000000000
21 22 23 24 25 26 27 28 29 30	000000000000000000000000000000000000000	009000000	00900000	0050000000	0050000000	005000000	000000000	0000000000	00000000	000000000	000000000000000000000000000000000000000	0 0 0 0 0 0 0 0	000000000000000000000000000000000000000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	000000000	000000000	000000000	000000000	000000000	000000000	000000000	0 2 0 0 0 0 0 0	050000000	050000000	0 1 2 0 0 0 0 0 0 0 0
MEAN	1	1	1	1	1	1	0	i	0	0	0	0	0	0	0	1	0	0	2	1	0	0	0	1	0.6

PERCENTAGE OF DATA VALID - 99.4 PERCENTAGE OF DATA INVALID - 0.6

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POL	LUTANT	- 5	ULPH	UR DIC	XIDE						-	JNITS	- 0.0	1 PAF	RTS/MI	LLIO	N						
	STA	TION -	NE	NO	77065		FALCO	NBRIDGE	ROA	D SUDBURY					MON	гн - с	ост	77						
HOUR	1	2	3	4	5	6	7	В	9	10 11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1 2 3 4 5 6 7 8 9	000000000	0 0 0 2 1 0 0 0 0	000000000000000000000000000000000000000	0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	000000000	0000000000	0 0 0 0 0 0 0 0	000000000		000000000	0 0 0 0 0 0 0 16	000000000	0000400044	000000000000000000000000000000000000000	000000000	0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	000000000	00000000	0 0 0 0 0 0 0	00000000	000000000000000000000000000000000000000	0 0 0 0 0 0 0 1
11 12 13 14 15 16 17 18 19 20	0 0 0 0 0 0 5 1	0 0 0 0 0 1 1 1	0 0 0 0 0 1 6 1	000000051	0 0 0 0 0 1 0	0 4 0 0 0 0 0 0 0 0	050000010	0 0 0 0 0 1 0	0 1 0 0 0 0 0 0 1 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 1 10	0 0 0 0 0 15 1	0040000008	2 0 2 0 0 0 0 0 1 1 3	1 0 38 0 0 0 0	0 0 0 0 0 16 0 2 2	0 7 0 0 0 41 0 2	7 0 5 0 0 4 9 0 2	2 0 0 0 0 0 30 0 2 0	0 0 0 0 8 0 2 0	0 0 0 0 1 4 2 0	0 0 0 0 1 7 2 0	0 0 0 0 0 1 8 2 0	5000661333
21 22 23 24 25 26 27 28 29	0 0 0 0 1 0 0 1 0	0 0 0 0 0 2 0 0	0 0 0 0 4 0 0 1 0	000000000000000000000000000000000000000	0 0 0 0 2 0 0 2 0 0	0 0 0 14 0 0	0	0 0 7 0 1 3 2 0 1 0	0 0 0 0 1 5 1 0 2	2 2 0 0 3 2 0 0 1 2 1 **** 1 0 0 1 7 3 0 0	7 0 1 0 2 1 0 2 0 0	5 0 1 0 1 0 0 1	1 0 0 0 2 13 1 0 1 1	6 0 0 2 7 4 0 1	2 0 0 1 2 4 4 3 1 0	2001200610	2 0 0 1 3 0 0 1 1 0	4 0 1 3 1 0 3 6	2 8 0 1 3 1 0 2 4	2 0 0 3 0 0 0 3 1	4 3 0 0 3 0 0 0 2 1	2 1 0 0 3 0 0 0 2 1	1 1 0 0 3 0 0 0 1	2 1 1 0 2 3 1 1 2 0
31	0	0	0	0	0	0	0	****	0	0 0	0	-	-	*	÷	*		*		4				•••••
MEAN	0	0	1	1	0	1	0	1	0	1 1	1	2	2	2	2	2	2	3	2	1	1	1	1	1.1

PERCENTAGE OF DATA VALID - 96.8 PERCENTAGE OF DATA INVALID - 1.6

PERCENTAGE OF DATA UNAVAILABLE - 1.6

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNITS - 0.01 PARTS/MILLION

	51	ATION	. NE	NO 3	77065		FALCO	NBR10	GE RO	AD SL	DBURY					MON	тн - 1	NOV	77						
HOUR DAY	1	2	3	4	5	6	7	В	9	10	11	12	13	14	15	16	17	18	1.9	20	21	22	23	24	MEAN
1 2 3 4 5 6 7 8	1 1 0 0 1 48 0	1 0 0 1 12 0 0	1 0 0 0 1 23	2 1 0 0 0 3 1	210060300	1 0 0 15 1 5 0	0 0 17	1 0 0 9 0 0 0	1 0 0 9 0	1 1 0 0 0 0 0 0 0 0	1 0 0 0 0 0 0 0 0	2 0 0 0 1 0 0	0 2 0 0	1 2 1 0 1 0 0	1 2 1	1 2 1	0 1 1 0 2 0 0	0 1 1 0 2 0 0 0	0 1 1 - 0 3 0 0	0 1 1 0 3 0 0	0	0 11 0 0 0	1 3 7 4 0	1 1 1 12 13 0	1 1 1 3 2 4 0
10	0	0	0	0	0	0 0	0	0	0	0 0	0 0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13 14 15 16	0 5 0	0 7 0	0 4	0 2 0	0 1 0 0	0	1 0	0	0 3 0	0 3 0	0 5 0	0 8 0	16 0	9 0	0 0 2 0 0	0 0 0	00000	0 0	0 7 0 0	0 0 0 0 2	0 0 0	0 0 0	0 0 0	0 0	0 3 0
17 18 19 20	0	0	0	0	0	0	0	0	0	0	0	0	0 0 0 DATA	0 0 1 NVA	13 0 0 ID -	5 0 0	0	2 0 0	0	0		0	0	0	0
21 22 23 24 25 26 27 28 29 30	0 1 0 9 0 4 0	0 1 0 5 0 5	1 1 0 3 0 12 1	2 1 0 0 15 2	2 1 0 0 8 2	1 1 0 0 7 3	0	0	0 6 0 0 8 2		!		4 1 0 6 0 13 0	1 NVAI 10 1 0 **** 3 3B 7 0	2 2 21	2 2 0 1 9	0 0 9 4 0	1 2 0 0 0 2 0 0	1 7 0 0 0 0 0	1 3 0 0 0 0 0 0 0 0	0	0 7 0 0 0 11 0 0 0	0 2 0 0 0 11 0	0 2 0 4 0 1 0	2 1 0 4 8
MEAN	3	1	2	1	1	1	2	1	1	1	1	1	2	3	3	2	1	0	1	0	1	1	- 1	1	1.3

PERCENTAGE OF DATA VALID - 85.8 PERCENTAGE OF DATA INVALID - 11.3

PERCENTAGE OF DATA UNAVAILABLE - 2.9

NOTES 1. ****** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	PO	LLUTA	NT -	SULPH	HUR D	OXID	Ε							UNITS	- 0.0	01 PAI	RTS/M	ILLIO	N						
	ST	ATION	- NE	NO	7706	5	FALCO	NBRID	GE RO	AD S	DBURY					MON	тн -	DEC	77						
DAY	1	2	3	4	5	6	7	8	9	10	1.1	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1 2 3 4 5 6 7 8 9	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 4 2 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0	0.00010000	0 0 0 0 0 0 0 0	000000000	0 1 0 0 0 0 0 0	0 2 0 0 0 0 0 0 0	0 0 0 0 0 0 0	070000000	0 0 0 0 0 0	020000000	0 1 0 0 0 0 0	1 0 0 0 0 0 0 0 0	200040000	000000000000000000000000000000000000000	0 0 0 0 0 0 0 0 0 0	0 2 0 0 1 0 0 24	0 0 0 0 0 0 0 0 46	0 0 0 1 1 0 3 2
11 12 13 14 15 16 17 18 19 20	0 1 13 0 1 4 1 27 0	0 4 13 0 1 3 4 25 0	0 5 29 0 1 2 18 21 0	0 5 11 0 1 2 8 17 0	0 5 16 0 1 1 3 18 0	0 3 6 6 1 1 12 41 0	0 1 0 1 1 9 55 0	0 0 0 2 2 1 27 36 0	0 0 2 2 1 8 3 9	0 0 7 2 2 34 2 0	0 17 2 1 19 0	0 3 2 1 3 0 0	0 0 0 0 0 0	0 0 2 1 5 1 0	0000000000	6 0 0 2 0 2 17 0 0	8 0 2 0 3 8 11 0	4 0 0 2 0 1 23 2 0	6 0 0 16 36 0	4 0 0 1 1 4 19 0 0	4 0 0 1 3 12 4 0	3 0 0 1 4 13 6 0	3 3 0 1 4 12 22 0 0	2 1 0 1 5 5 23 0	2 1 4 2 2 4 13 12 0
21 22 23 24 25 26 27 28 29 30	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 1 0 7 7	0 0 0 0 1 1 5	0 0 0 0 0 1 0 6 0 0 0 0 0 0 0 0 0 0 0 0	000000000000000000000000000000000000000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 3 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	000000000000000000000000000000000000000	000000000000000000000000000000000000000	000000000000000000000000000000000000000	000000000000000000000000000000000000000	0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0120000000	000000000000000000000000000000000000000	0 0 1 0 0 0 0 0 2 0	001000000000000000000000000000000000000	1 2 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	201000000000000000000000000000000000000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 1 0 0 0 0	0 0 1 0 0 8 2 0	0 0 1 0 0 0 0 0	0 1 1 0 0 0 1 2 2
MEAN	4	2	3	2	2	3	3	3	2	2	1	1	0	0	1	1	,	1	5 2	5 1	1	1	3	3	1.8

PERCENTAGE OF DATA VALID - 94.6 PERCENTAGE OF DATA INVALID - 4.0

PERCENTAGE OF DATA UNAVAILABLE - 1.3

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1977

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1977

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - NE	NO 77065 FALCONBRIDGE	ROAD SUDBURY		
MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	27	0.8	4	24
FEB	27	0.9	4	22
MAR	31	1.6	7	48
APR	26	1.4	5	77
MAY	31	1.5	6	36
JUN	30	1.9	11	87
JUL	31	1.2	6	30
AUG	26	0.9	6	31
SEP	30	0.6	6	38
ост	30	1.1	6	49
NOV	25	1.3	8	48
DEC	28	1 . B	13	55
YEAR	342	1.3	13	87

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

POLLUTANT - SULPHUR DIOXIDE UNITS - 0.01 PARTS/MILLION STATION - NE NO 77065 FALCONBRIDGE ROAD SUDBURY MONTH 00 TO 04 05 TO 10 11 TO 14 15 TO 25 26 TO 39 40 SOVER TOTAL JAN FEB MAR APR MAY 1.1 JUN 1.1 AUG SEP OCT NOV DEC YEAR FREQUENCY DISTRIBUTION BY PERCENTILES PERCENT OF DATA VALID FREQUENCY DISTRIBUTION. PERCENT 50 70 90 95 ARITH MEAN MIN

0.0 0.0 2.4

13.9

20.9

1.3

0.0 0.0

94.6

POLLUTANT - SULPHUR DIOXIDE UNITS - 0.01 PARTS/MILLION

														120											
	STA	TION	NE.	NO	77066	,	TEMAG	AMI SU	JDBURY	AIRS	HED					MONT	тн -	MAY	77						
DAY	1	2	3	4	5	6	7	В	9	10	1.1	12	13	14	15	16	17	18	19	20	21	22	23	24	WEAN
1 2 3 4 5 6 7 8 9		*		;e	-		-#-C				0	- DATA - DATA - DATA - DATA - DATA - DATA - DATA - DATA - DATA		VAILA VAILA VAILA VAILA VAILA VAILA	BLE - BLE - BLE - BLE - BLE - BLE -		0	0	0	0	0	0	0	0	
11 12 13 14 15 16 17 18 19	0 3 0 0 0 3 3 3 0 0	0 2 0 1 0 1 2 4 0 0	0 2 0 4 0 1 1 3 0	0 1 0 4 0 1 2 3 0	0 0 1 0 1 2 4 0	0 0 2 0 1 2 2 0	0 0 0 2 0 2 1 1 0 0	0 1 0 1 0 0 0	0 0 0 0 3 1 0 0 0	0 0 0 0 0 0	0 0 0 0 1 1 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 2 1 0	0 0 0 0 3 1 0 0 0	0 0 1 0 5 1 0	0 0 0 2 7 14 1 0 0 0	0001551106	1 0 0 0 4 4 1 1 0	1 0 0 9 3 0 1 0 8	1 0 0 0 5 1 0 1 7	1 0 0 0 1 0 0 1 1 3	4 0 0 1 1 0 1 6	5 0 0 0 1 3 1 1 4 0	3 0 0 0 2 2 1 1 1 1	1 0 0 1 1 1 3 1 1 1 1 1 1
21 22 23 24 25 26 27 28 29	3 1 0 2 1 5 0 0 0	2006150000	1 0 0 2 0 5 0 0 0 0	1 0 0 1 2 5 0 0 0 0	1 0 0 0 1 2 0 0 0	1 0 0 0 1 4 0 1 0 0	1 0 0 0 0 2 1 1 0 0	1 0 0 2 2 0 0	1 0 1 1 0 0 0 0 0 0 1	0 0 2 1 0 0 0 3	0 0 0 0 1 0 3 0 1	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 0 0 3 0 0 0 0 0 0 0 0	1 0 1 4 0 1 0 0	1 0 2 4 0 0 0 0	1 0 2 0 0 0 1 0 0 0	1 0 1 0 0 0 1 0 0 0	0 2 0 0 0 0 1 0 0 0	0 1 0 0 0 0 0 0	000000	0 0 0 0 0 0 0 4	002001	0 0 0 0 1 0 0 4	1 0 1 0 1 0 0 1	1 0 1 1 0 0 1
31 MEAN	1	1	1	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0.8
											-	-	=				1.97				19.			4.	0.0

PERCENTAGE OF DATA VALID - 68.8 PERCENTAGE OF DATA INVALID - 0.8

PERCENTAGE OF DATA UNAVAILABLE - 30.4

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. "***** INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POL	LUTANT	· s	ULPH	UR DIC	XIDE							t	UNITS	- 0.0	1 PAR	TS/M	ILLIO	N						
	STA	TION -	NE	NO	77066		TEMAGAN	I St	JDBURY	AIRS	HED					MONT	н	JUN	77						
HOUR DAY	1.	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1 2 3 4 5 6 7 8 9	0 0 0 0 0 0 0 0	000000000000000000000000000000000000000	0000000000	0 0 0 1 0 2 0 0	0 0 7 0 5 0	0 0 0 1 1 0 0 0 0 0	0 0 0 0 0 0 0 0	000000000	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	000000000	0 0 0 0 0 0 0	0 0 0 0 0 0 0	00000000	0 0 0 0 0 0 0 0	0000000000	0 0 0 0 0 0 0 0	000000000	0 0 9 0 0 0 0 1	0 0 0 0 0 0 1	0 0 5 0 0 0 0 0 1	0 0 3 0 0 0 0 0 0 2	0 0 2 0 0 0 0 2	0 0 1 1 0 0 0 0 0
11 12 13 14 15 16 17 18 19	2 0 0 0 1 1 0 0 0	1 0 1 0 0 0 0	1 1 2 0 0 1 0 1 0 0	0 1 2 0 0 1 0 1 1 0	0 0 1 0 0 1 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0000000000	1 0 0 0 0 0 0 0 0 0 0 0	2 0 0 0 0 0 0 0 0	3 0 0 0 0 0 0	300000003	3 0 0 0 0 0	0 0 0 0 0 0 1	0 0 0 0 0 0 0 0 1	1 0 0 0 0 0 0 0 0 0	1 0 0 0 0 0 0 0 0	200000000000000000000000000000000000000	3 0 0 0 0 0 0 0 0	1 0 0 1 1 0 0 0 0 0 0	0 0 0 1 1 0 0 0 0 0	0 0 0 1 1 0 0 0	0 0 0 1 1 0 0 0 0	0 0 0 1 1 0 0 0 0	0 0 0 0 0 0 0 0 0
21 22 23 24 25 26 27 28 29	0 0 0 1 0 0 3 0 1 0	0 0 1 1 0 0 3 0 1 0	0 0 1 2 0 0 3 0 1 0	0 0 0 3 0 0 2 0 1 0	0 0 7 0 0 1	000000000	0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 1 0 0 0	0 0 1	1 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 1 1 0 0 1 0 2	0 0 1 1 0 5 1 0 3	0 0 1 1 2 0 11 1 0	0 0 4 3 0 0 4 0 0 0	0 0 7 4 1 0 3 0 0 0	0 0 8 4 1 0 3 0 0 0	0 3 2 0 3 0 0	000000000	0 0 0 0 1 0 0 0	000000000000000000000000000000000000000	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 1 2 0 0 0 0
MEAN	0	0	O	1	1	1	0	0	0	0	0	0	1	1	0	4	1	0	0	0	0	0	0	0	0.4

PERCENTAGE OF DATA VALID - 99.6 PERCENTAGE OF DATA INVALID - 0.3

PERCENTAGE OF DATA UNAVAILABLE - 0.1

- 2. . " INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNITS - 0.01 PARTS/MILLION

	10.000	100000																							
	STAT	TION -	NE	NO 7	7066	T	EMAGAN	ni su	DBURY	AIRS	HED					MONT	н - с	JUL	77						
HOUR	1	2	3	4	5	6	7	В	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 MI	
1 2 3 4 5 6 7 8 9	0 0 0 0 0 0 0 1 0	000000000	000000000	0 0 0 0 0 0 0 0 0	000000000	0 0 0 0 0 0 0 0	000000000	0 0 0 0 0 1 0 0 1	2 0 0 0 0 0 0 0 0	200000000000000000000000000000000000000	000000000000000000000000000000000000000	0 0 1 0 0 0 0 0 0	000000000	000000000	0 0 0 0 0 1 0 0 0	0 0 0 0 0 0 0	1 0 0 3 0 1 0 2	0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0000000000	000000000	0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 1 0	0 0 0 0 0 0 0 0
11 12 13 14 15 16 17 18 19	0 1 1 0 0 6 0 0 0 1	0 0 1 0 0 6 0 0 0 0	0 0 1 0 0 4 0 2 0 0	0 0 1 0 0 3 0 4 0 0	0 0 1 0 2 2 2 3 0 0	0 0 1 0 1 1 1 3 2	0 0 1 0 1 1 2 2 1 0	0 0 1 0 1 1 2 1 1 0	0 0 0 0 1 1 1 1 1 0	0 0 0 0 1 1 1 1 1 0	0 0 0 1 1 1 0 2 0	0 1 0 0 1 1 1 1 1 2	0 13 1 1 1 2 14 4	0 5 1 1 1 3 7	0 1 0 1 1 4 1 1 1 5	0 0 0 2 1 1 1 2	0 0 0 7 1 1 1 1	0 0 0 1 1 1 1 1 1	0 1 0 0 1 5 1 2	0 1 0 0 1 7 1 3 0	0 1 0 0 1 3 0 4 0	0 0 0 1 5 0 3	0 0 0 0 0 1 1	0 1 1 0 2 0 0 0 1 1	0 1 0 1 1 3 1 2 2 1
21 22 23 24 25 26 27 28 29 30	0 0 0 0 0 0 0 1	0 0 0 0 0 0 4 0 2	0 0 0 0 0 1 0 1	0 0 0 0 0 1 0 0	0 0 0 0 0 1 0 0	0000000000	000000000	000000000	000000000	000300000	0000000000	0000000000	0 0 0 0 0 0 1 0	000000000000000000000000000000000000000	000000000000000000000000000000000000000	0 0 0 0 0 1 0	000000000000000000000000000000000000000	0 0 0 0 0 0 0 1 0	0 0 0 0 0 2 0 1 0	0 0 0 0 0 4 0 1 0	0 0 0 0 0 5 0 1 0	0 0 0 0 0 1 0 0 0	0000001001	0 0 0 1 0 0 1	0 0 0 0 0 0 0 0 0
31	1	1	1	1	0	0	0	0	0	1	1	1	0	1	1	1	1	1	2	2	1	1	1	1	1
MEAN	1	1	0	0	0	0	0	0	0	0	0	0	-1	1	1	0	1	0	7	1	1	0	0	0	0.5

PERCENTAGE OF DATA VALID -100.0 PERCENTAGE OF DATA INVALID - 0.0

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POLLI	JTANT	- SI	ULPHU	R DIOX	IDE							U	NITS	- 0.0	1 PAR	TS/MI	LLION	ŀ							
	STAT	ION -	NE	NO 7	7066		EMAGAM	su	DBURY	AIRS	SHED					MONT	н - д	UG	77							
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23		MEAN	
1 2 3 4 5 6 7 8 9	0 0 0 0 2 0 1 0 0 0	0 0 0 0 1 0 0 1	0 0 0 0 1 0 1 1 0 3	0 0 5 1 0 1 2 0 1	0 1 0 2 1 0 1 1 0 0	0 1 0 0 0 1 1 0 0	0 2 0 0 0 0 1 0 0 0	0 1 0 2 0 0 1 0 0 0	3 3 2 0 1 0 0 0	0 1 5 3 3 0 1 0	0 1 4 1 2 0 1 1 0 0	0 9 1 2 0 2	0 1 6 0 1 0 2 3 0 0	0 2 6 0 2 0 1 0 0 0	0 3 3 1 4 0 1 0	0 2 1 10 2 0 1 0 0 0	0 1 0 1 0 0 0	0 2 0 8 2 0 1 0 0 0	0 1 3 0 1 0 0 0	0 0 0 1 2 0 1 0 1 0	0 0 1 1 2 1 0 1 0	0 0 1 2 3 1 0 4 0	0 0 0 1 1 2 0 0 3 0	0 0 0 2 0 1 0 0 1 0	0 1 2 2 2 2 0 1 0 0	
11 12 13 14 15 16 17 18	0000000000	0000000000	0000000000	0000000000	0 0 0 0 0 0 0 0 0	0000000000	0 0 0 0 0 0 0 0 0	0000010000	0 0 0 0 0 0 0 0 0	0 0 1 0 0 0 0 0 0	0 3 0 0 1 0 0 0 0 0	3 0 0 0 0 0 0 0	3 3 0 0 0 0 0 0 0 0	920100000	1 0 2 0 1 1 0 0 0 0	3 0 1 0 0 0 0 0 0	501000000	5 0 1 0 0 0 0 0 0	0 0 0 0 0 0 1	0 0 0 0 0 0 4	0 0 0 0 0 0 1	00000000	0 0 0 0 0 0 0 0 0	0000000000	1 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0)
21 22 23 24 25 26 27 28 29 30	4000000000	7 0 0 0 0 0 0 0 0 0	0000000000	0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0	000000000	000000000	000000000	000000000	000000000	000000000	000000000	00000000	000000000	00000000	00000000	000000000	000000000	020000000	0100000000	000000000	000000000	000000000	000000000		
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	. 0	0	0	0		0
MEAN	0	0	0	0	0	0	0	0	0	1	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0.4	

PERCENTAGE OF DATA VALID - 99.7 PERCENTAGE OF DATA INVALID - 0.3

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

	PC	LLUTA	ANT -	SULPH	ום אט	OXIDE	Ε							UNITS	- 0.	01 P#	RTS/W	11 L L I C)N							
	ST	OITA	N - NE	NO	77066	à	TEMA	JAMI S	SUBBUR	AIA YS	SHED					MON	TH -	SEP	77							
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1 2 3 4 5 6 7 8 9	000000000	000000005	0	00000000	00000000	000000000000000000000000000000000000000	000000000	000000000000000000000000000000000000000	000000000000000000000000000000000000000	00000000000	000600000		0 0 0 0 0 0 0 0	000010000	0 0 0 0 0 0	000000000	000000000	000000000	000000000	000000000000000000000000000000000000000	0 0 0 0 0 0 1 0	000000000	000000000	000000000	000000000000000000000000000000000000000	
11 12 13 14 15 16 17 18 19	000000000	000000000	0	0000000000	0004000000	000000000	000000000000000000000000000000000000000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 1 0	000000000000000000000000000000000000000	0000000	000000000000000000000000000000000000000	000000000000000000000000000000000000000	000000000000000000000000000000000000000	0000000	0000000	000000000000000000000000000000000000000	000000000000000000000000000000000000000			0000000	0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	000000000000000000000000000000000000000	00000000	000000000000000000000000000000000000000	
21 22 23 24 25 26 27 28 29 30	•••	000000000000000000000000000000000000000	0	000000000000000000000000000000000000000	000000000000000000000000000000000000000	000000000000000000000000000000000000000	0	0		000000000000000000000000000000000000000	00000000	. 0000000000000000000000000000000000000	DATA 0 0 0 0 0 0 0 0	1 NVAL 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	.ID - 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	00000000	000000000000000000000000000000000000000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 2	000000000000000000000000000000000000000	000000000000000000000000000000000000000	0 0 0 0 0 0	0 0 0 0 0 0 0	0	
														-	35	-		-		-	-					

PERCENTAGE OF DATA VALID - 93.1 PERCENTAGE OF DATA INVALID - 6.9 PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. ****** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "." INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	PC	LLUTA	NT -	SULP	HUR D	OXID	Ε							UNITS	o	.01 P	ARTS/	MILLIC	N							
	S	TATION	· N	NO	7706	5	TEMAC	SAMI :	SUDBURY	AIRS	HED					MOI	νтн -	OCT	77							
HOUR Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1 2 3 4 5	0 2 0 0	0 1 0 0	0 1 0 0	0	0	0	000	0	000	0 0	0	- 7	DATA	0		0				0 0	0 0		0 0 0	00)	0
7 8 9 10	0	0	0	0	0 0	0 0		0 0 0	0	0 0 0	0000	0	0	0	0	5	0 8 5	0 0 3 4	0 0 1	0 0 0	0	0 0 0	0 0 0	0		0
11 12 13 14 15 16 17 18 19	0	0	0	0	0	0	0	0	0 2	0	0	- DA - DA - DA	ATA U ATA U ATA U ATA U ATA U		ABLE ABLE ABLE ABLE ABLE ABLE		0	2 .	1 *	!	0	1.	•	0	•••••	0
21 22 23 24 25 26 27 28 29 30												- 04 - 04 - 04 - 04 - 04 - 04	ITA U	NAVAIL NAVAIL NAVAIL NAVAIL NAVAIL NAVAIL NAVAIL NAVAIL	ABLE ABLE ABLE ABLE ABLE ABLE ABLE ABLE											
MEAN	0	0	0	0	0	0	0	0	o	o	0	0	0	0	0	1	2	í	0	0	o	0	0	o	0.	2

PERCENTAGE OF DATA VALID - 28.1 PERCENTAGE OF DATA INVALID - 9.3

PERCENTAGE OF DATA UNAVAILABLE - 62.6

- 2. -- INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1977

POLLUTANT - SULPHUR DIOXIDE UNITS - 0.01 PARTS/MILLION

	12000	100	CEDUC	W. W. C.		14 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6
STATION	NE	NO	77066	TEMAGAMI	SUDBURY	AIRSHED

The state of the s	
JAN DATA UNAVAILABLE	
FEB DATA UNAVAILABLE	
MAR DATA UNAVAILABLE	
APR DATA UNAVAILABLE	
MAY 21 0.8 3	4
JUN 30 0.4 2	11
JUL 31 0.5 3	14
AUG 31 0.4 2	10
SEP 27 0.1 1	6
OCT 7 0.2 1	В
YEAR 147 0.4 3	14

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1977

UNITS - 0.01 PARTS/MILLION

POLLUTANT - SULPHUR DIOXIDE

STATION - NE	NO 770	66 TEMAGAM	I SUDBURY	AIRSHED				
MONTH OO	TO 04	05 TO 10 11	TO 14 15	TO 25 26	TO 39 40	&OVER	TOTAL	
JAN		DATA UNAVAILA	BLE					
FEB		DATA UNAVAILA	BLE .					
MAR		DATA UNAVAILA	BLE					
APR		DATA UNAVAILA	BLE					
MAY	492	18	2	0	0	0	512	
JUN	706	9	2	0	0	0	717	
JUL	732	10	2	0	0	0	744	
AUG	730	12	0	0	0	0	742	
SEP	667	3	0	0	0	0	670	
OCT	206	3	0	0	0	0	209	
VF+0	2000	5.5				0	2504	

FREQUENC	CY DISTRIBUT	ION BY	PERCENTILES									
	PERCENT					CONCEN	TRATIONS					
	OF DATA				FREQUENCY	DISTR	IBUTION.	PERCENT				ARITH
	VALID	MIN	10	30	50	70	90	95	98	99	MAX	MEAN
	81.4	0	0.0	0.0	0.0	0.0	0.8	1.8	3.7	5.1	14	0.4

POLLUTANT - SULPHUR DUXIDE UNITS - 0.01 PARTS/MILLION

															0		1, 1, 4, 2, 10								
	STA	TION	- NE	NO 7	77067	C	HINIG	UCHI	SUDB	JRY AJ	RSHED					MON	тн - і	MAY	77						
DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1 2 3 4 5 6 7 8 9												- DAT - DAT - DAT - DAT - DAT - DAT - DAT	A UNI A UNI A UNI A UNI A UNI A UNI A UNI A UNI	AVAILA AVAILA AVAILA AVAILA AVAILA AVAILA AVAILA AVAILA	BLE BLE BLE BLE BLE BLE										
11 12 13 14 15 16 17 18 19 20	. 0 0 0 0 0 0 0	00000100	0 0 0 0 0 0 0 0 0 0	0000000	0 0 0 0 0 0 0 0	0 0 0 0 0 0 1	0000000	0 5 15 0 0 0	0 3 8 0 0 0	0 0 3 0 0 0 1 0	5 0 0 0 0 0	- DAT	A UNI	AVAILA 0 0 0 4 0 0 0	0 0 0 0 0 0 0 0 2	0 0 0 0 0 0 0 0 3	0 0 0 0 0 0 1	00000000	00000000	0 0 0 0 0 0 0 11	0 0 0 0 0 0 8	00000000	00000000	000000000	0 1 2 0 0 0 0 0 0 1 1
21 22 23 24 25 26 27 28 29	1 1 0 0 0 0 0 1 0 0 0	0 2 1 0 0 0 0 1 0 0	0 5 0 0 0 0 1 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 6 3 0 0 2 0 1 0 0	0 14 0 0 0 4 *	4 0 0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0 0 0 0	5 0 0 0 0 1 0 0 0 0	8 1 0 0 0 0 0 0 0	5 0 0 0 0 0 0 0	8 0 16 0 0 0 0	2 0 27 0 0 0 0 0	0 12 4 0 0 0 0 0 0 0 0	1 7 0 1 0 0 0 0 0 0 0	0 2 0 1 0 0 0 0 0 2	0 0 0 0 0 0 0 10	0 4 0 0 0 0 0 1 0	040000000	0 3 0 0 0 0 1 0 0 1	0 8 0 0 0 0 0 0 0	030000000000000000000000000000000000000	2 4 2 0 0 0 0 0 0 0 1
3.1	1	0	0	0	0	0	0	0	2	52	8	6	2	1	2	1	2	1	1	1	1	0	1	1	3
MEAN	0	0	0	0	-1	1	0	2	1	3	1	1	1.	2	2	1	1	0	1	î	1	0	0	0	0.9

PERCENTAGE OF DATA VALID - 62.5 PERCENTAGE OF DATA INVALID - 0.4 PERCENTAGE OF DATA UNAVAILABLE - 37.1

NOTES 1. ****** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ******* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POLLUTANT - SULPHUR DIOXIDE UNITS - 0.01 PARTS/MILLION STATION - NE NO 77D67 CHINIGUCHI SUDBURY AIRSHED MONTH - JUN 77																								
	STAT	ION -	NE	NO	77067		CHINIC	UCHI	SUDE	BURY A	IRSHED					MONT	н - ,	JUN	77						
DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1 2 3 4 5 6 7 8 9	.000000000	1 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	000000000	000000000000000000000000000000000000000	000000000	000000000000000000000000000000000000000	0000000	000000000000000000000000000000000000000	2000000000	1 0 0 0 0 0 0 0 0	7 0 0 0 0 0 0 0 0 0	10 0 0 0 0 0 0 0 0 0	4 0 0 0 0 0 0 0 0 0 0	4000000000	200000000	0 0 0 0 0 0 0 0 1	0000000006	000000006	0 0 0 0 0 0 0 4	000000000	0 0 0 0 0 0 0 0 1	1 0 0 0 0 0 0 0
11 12 13 14 15 16 17 18 19 20	0 0 0 0 0 0 1 0 0	0 0 0 1 0 0 0	0000000000	00000000	000000000	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0	000000000	000000000000000000000000000000000000000	0 0 0 14 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	000000000	0000040000	0 0 0 0 0 0 0 0	00000000	0 0 0 0 0 0 0 0 0	0000050000	000000000	000003000	0 0 0 0 0 0 0 0	0 0 1 1 0 1 0 0	0 0 1 1 1 1 0 0 0 0	0 0 0 0 0 0 0	0 0 0 1 1 0 0 0 0	0 0 0 0 2 0
21 22 23 24 25 26 27 28 29 30	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 1 2 0	0 0 0 0 0 0 1 3 0	0 0 0 0 2 0 0 2 2 0	0 0 0 1 1 0 0 2 4 0	0 0 0 1 0 0 0	0 0 0 6 1 0 2 9 0 0	0 0 0 1 0 0 3 4 0 0	0 0 2 0 0 2 1 0 0	0 0 0 2 0 0 1 8 0 0	0 0 1 0 0 3 4 0 0	000000400	000000503	0 0 0 0 0 0 0 0 0 0 0 0 0 1 3	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 3 0 2	0 0 0 0 0 0 2 0 0	0 0 0 0 0 0 1 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 1 0 0 0	0 0 0 1 1 0 3 2	0 0 2 1 0 11 7	0 0 0 1 1 0 6 14 0 0	0 0 0 1 1 0 4 1 0 0	0 0 0 1 0 0 2 4 0 1
MEAN	0	0	0	0	0	0	1	0	0	1	0	0	0	1	1	0	0	0	0	0	1	1	î	0	0.5

PERCENTAGE OF DATA VALID - 99.3 PERCENTAGE OF DATA INVALID - 0.7

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. "****** INDICATES LEJS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - SULPHUR DIOXIDE UNIS - 0.01 PARTS/MILLION

	PU	LLUIA	9.7	SULPH	UN DI	ONIDE								OWT 13		(O) P)	AR IS/I	WILLIA	14						
	ST	ATION	- NE	NO	77067		CHINI	GUCHI	SUDE	URY A	IRSHE	D				MO	- HTP	JUL	77						
HOUR	1	2	3	4	5	6	7	В	9	10	1.1	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1 2 3 4 5 6 7 8 9	0 0 0 0 1 0 2 0 1	0 0 0 0 1 0 2 0 1	0 0 0 0 1 0 2 0 1	0 0 0 0 0 0 0 0 1	0 0 0 0 0 1 0 1	0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0	000000000000000000000000000000000000000	000000000000000000000000000000000000000	000000000000000000000000000000000000000	00000000	00000	000000000	000000000000000000000000000000000000000	005000000000000000000000000000000000000	0 0 0 0 0 0 5	000000000000000000000000000000000000000	0 0 0 0 0 0 0 4	00000006	0 0 0 0 0 0 11	0 0 1 1 0 1 0 1 7	0 0 1 2 1 0 1 1 2 4	0 0 2 1 1 1 1 1 1 2	0 0 0 2 0 1 1 1 1 0	0 0 1 1 0 1 1 1	0 0 1 0 0 2
11 12 13 14 15 16 17 18 19 20	1 1 0 1 6	0 1 0 1 9	1 1 0 1 7	1 1 0 1 5	0 1 0 1 3	1 0 1 2	1 5 0 1 2	1 7 0 2 2	2 9 0 1 2	9 1 0 1 3	1 1 0 8 2		DATA DATA DATA	INVAL	ID -	1 1 0 6 2	1 1 0 5 2	1 2 0 25 2	1 4 0 20 2	1 4 0 9	2 1 7	1 5 1 9	1 3 1 4	1 1 6	1 2 0 6 3
21 22 23 24 25 26 27 28 29 30 31	1 1 0 0 0 0 1 1	1 1 0 0 0 0 0 1 1	1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 1 1 0 0 0 8 0	3 11 0 0 0	1 0 0 0 0 0 0 0 1	0 1 0 0 0 7 4 0	-	0 1 0 0 13 2 0	0 0 1 0 C	0 0 0 1 0 0 0 **** 5 2 0	0 0 0 7 0 0 0 3 4 0	0 0 0 3 0 0 0 0 5 0	0002	0 0 0 1 0 0 0 4 0 4	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	000000000000000000000000000000000000000	1 0 1 0 0 ****	13 1 1 2	010000000000000000000000000000000000000	0 1 0 0 0 1 0 2 0 1 4 1	0 1 0 0 0 1 0 1 1 1 1	1 1 0 0 0 0 1 0 1 0 1 1 1 1	000000000000000000000000000000000000000	2
PERCE	NTAGE	OF DA	TA VA	LID	77.6			PERC	ENTAG	E OF (DATA	INVAL	ID -	22.0		P	ERCEN	TAGE (OF DAT	TA UNA	VAIL	ABLE	0.	4	

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	PO	LLUTA	NT -	SULPH	UR DI	OXIDE								UNITS	- 0.	01 PA	RTS/M	ILLIO	14						
	ST	ATION	- NE	NO	77067		CHINI	GUCHI	SUDB	URY A	IRSHE	D				MON	тн -	AUG	77						
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	***		0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	2	1	0
2	****	****	****	****		1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	0	0	0	9
3	0	0	0	0	0	1	1	2	3	2	-		3	8	5	18	20	10	11	9	2	3	2	3	9
4	4	3	2	****	****	****	****	****	****		0	0	0	0	0	0	0	0	0		****		2	0	3
5	0	0	0	0	3	5	4	3	0	0	-	****		0	0	0	0	0	0	0	0	0	0	0	1
6	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	- 1	1	1		0
7	1	****	****	****	1	1	1	0	0	0	1.	0	1	2	44			8	9	13	10	5	- 1	3	6
8	5	6	3	1	0	0	0	1	1	1	1	1	6	7	0	0	0	0	0	0	0		****	1	1
9	1	1	1	1	1	1	1	1	****	0	0	0	0	0	0	1	1	1	1	2	4	4	5	4	1
10	3	3	3	3	3	3	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
11	6	12	7	3	0	0	0	0	****	****	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	4	3	2	2	3	4	3	2	1
13	2	3	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1.4	****	0	0	0	0	0	0	0	0	0	0	0	0	****	****	1	0	0	0		****	****		0	0
15	1	1	0	1	1	0	0	0	****	****	****		0	0	0	0	0	0	1	2	1	1	1	0	1
16	1	1	1	- 1	1	0	0		1	1	1	1	0	0	0	0	0	0	- 1	1	1	2	2	2	1
17	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	- 6	****	****	0
18		0	0	ō		0	0				****		****	****	****	****	****	****	****	****	****	* 4 * *	****		
19		o.	1	0	- 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0
20	0	1	1	Ö	0	0	1	0	0	0	0	0	****	• • • •		****	****	****		****	****		****	****	******
21 22 23 24													DATA DATA DATA DATA	I NVA I NVA I NVA	LID - LID -										
25	****	****		****	****	****	****	****			****	0	0	0		0		1	1	4	2	2	3		
26	2	2	****	4	2	2	2	6		9		12	3			5			2	2	3	22	11		7
27	20	1.1	9			4	4									4			5	6	7	6	9	6	6
28	4	5	4	4	5	6		3		3	4	4	2			5	7	6	6	1	1	1	1	1	4
29	- 1	1	1	1	- 1	2	0			0	0	0				0	****	****		****	****				0
30	****	****	****	* * * *	****	1	2	4	2	1	2	2	2	2	2	••••		2	2	1	1	1	1.	****	2
31												-	DATA	INVA	LID -										
MEAN	3	2	2	2	1	1	1	1	- 1	1	1	1	1	1	3	2	2	2	2	2	2	3	2	2	1.7

PERCENTAGE OF DATA VALID - 71.0 PERCENTAGE OF DATA INVALID - 28.8

PERCENTAGE OF DATA UNAVAILABLE - 0.3

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNITS - 0.01 PARTS/MILLION

	514	TION	- NE	NO	77067		CHINI	GUCHI	SUDE	BURY A	IRSHE)				MON	TH - 5	SEP	77						
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 N	EAN
1 2 3 4 5 6 7 8 9 10	1 3 2 2 3 2 2 1 1 1 1 2	1 2 2 2 2 2 1 1 1 1	1 3 2 2 2 1 1 1 1 1 1 1 1 1 1	4 2 2 1 1 2 1 1 1	1 3 3 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2 2 3 2 2 1 1 1 1 1	1	1 2 2 1 2 0 1 1 1 1	1 2 3 2 2 0 1 1 1 0 1 1	0 2 2 2 2 2	3 2 3 3 2 1 7 1	0 3 2 10 3 2 1 1 8 1	0 3 2 5 3 0 1 1 8 1	0 3 2 4 3 0 1 1 4 1	0 2 2 2 3 0 1 1 1 2 1	0 3 2 2 3 0 1 1 8 1	0 4 2 2 3 0 1 1 5 1	0 3 2 2 2 2 1 1 2 1 1 0 1	0 3 3 2 2 1 0 1 1 1 1 1 2 1	0 3 1 2 2 2 2 0 1 1 1 1 1 2 1	0 3 1 2 2 1 1 1 1 2 2 1	0 3 2 2 2 1 1 1 1 1 2 2	1 3 1 2 2 1 1 1 1 1 1 0 2	1 2 2 1 1 1 1 1 1 0 1	2 2 3 2 1 1 1 3 1
14 15 16 17 18 19 20	1 1 0 0 0	1 1 0 0 0 0	1 0 0 0	1 1 0 0 0 0	0 0	1 1 0 0 0 0 0	0	1 1 0 0 0	0 0 0 0	1 1 0 0 0	1 1 0 0 2	1 2 1 0 0 1	1 4 2 0 0 1	1 5 1 0 0 3	1 7 2 3 0 2	9 1 2 0 1	1 10 1 2 0 0	1 7 1 2 0 0	1 1 0 0 0	1 0 0 1 0 0	1 0 0 0	1 0 0 1 0	0 0 1 0 1 0	0 1 1 0 1 0 0	1 0 0 0 0
21 22 23 24 25 26 27 28 29 30	00000000	0000000000	000000000	000000000000000000000000000000000000000	0 0 0 0 0 0	000000000	0000000	001000000	0 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0	000000000	000000000	0 0 0 0 0 0 0 0	0 0 0 0 0 0 1	000000000000000000000000000000000000000	0 0 0 0 0 0 5 1	0 0 0 0 0 0 0 4 1	0 0 0 0 0 0 1 2	0 0 0 0 0 0 1	0 0 0 0 0 0 0 1	0 1 0 0 0 0 0 0 0 0	0 1 0 0 0 0 0 0 0	0 1 0 0 0 0 0 0 0	0 0 0 0 0 1 0
MEAN	1	1	1	1	1	1	1	1	1	4	1	1	1	1	Ĭ	1	1	1	1	1	1	Ť	1	1	0.9

PERCENTAGE OF DATA VALID - 97.6 PERCENTAGE OF DATA INVALID - 2.2

PERCENTAGE OF DATA UNAVAILABLE - 0.1

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. "***** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	P	OLLUTAN	r - s	ULPH	IUR DI	OXID	E							UNITS	- o.	01 PA	RTS/N	MILLIC)N						
	S	TATION	NE.	NO	77067		CHIN	GUCHI	SUDE	BURY	AIRSHE	D				MON	NTH -	ост	77						
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16		18	19	20	21	22	23	24	MEAN
1 2 3 4 5 6 7 8 9	000000	0 0 0 0 0 0 0 0 0 1	0000000000	00000000	000000004	000000000000000000000000000000000000000	0 0 0 0 0 0 0 0 1	000030004	000010003	000000000000000000000000000000000000000	0 0 0	1 0 0 0 0 0 0	1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	000000000000000000000000000000000000000	000000000000000000000000000000000000000	000000000000000000000000000000000000000	000000000000000000000000000000000000000	3 0 0 0 0	000000000000000000000000000000000000000	000000000000000000000000000000000000000	000000000000000000000000000000000000000	000000	0000000	000000000000000000000000000000000000000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
11 12 13	1 3 0	0 3 0	0 1 0	0 1 0	0 5 0	0 4 1	0 2 1	0 3 1	0 3 1	0 1	1	0	0	0	0	0 2	0	2	1	1	2 0	1 0	1 0	1 0	0
14 15 16 17 18 19 20												- DA	TA UN TA UN TA UN TA UN	MAVAIL NAVAIL NAVAIL NAVAIL NAVAIL	ABLE ABLE ABLE ABLE ABLE										
21 22 23 24 25 26 27 28 29 30												- DA1	TA UN	NAVAIL NAVAIL NAVAIL NAVAIL NAVAIL NAVAIL NAVAIL	ABLE ABLE ABLE ABLE ABLE ABLE ABLE	*			NI.						
31 MEAN	0	0	0	o	1	1	0	1	i	1	ì	- DA1	0 A	AVAIL O	ABLE O	o	0	Ť	o	0	1	1	0	0	0.5

PERCENTAGE OF DATA VALID - 35.9

PERCENTAGE OF DATA INVALID - 4.3

PERCENTAGE OF DATA UNAVAILABLE - 59.8

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEJS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1977

MONTHLY SUMMARY	OF HOURLY AND 2-HOURL	Y DATA FOR 1977		
POLLUTANT - SULP	HUR DIOXIDE	UN	NITS - 0.01 PARTS/MILL	ION
STATION - NE NO	77067 CHINIGUCHI	SUDBURY AIRSHED		
MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN		DATA UNAVAIL	LABLE	
FEB		DATA UNAVAIL	LABLE	
MAR		DATA UNAVAII	LABLE	
APR		DATA UNAVALI	LABLE	
MAY	19	0.9	4	52
JUN	30	0.5	4	14
JUL	24	1.2	6	25
AUG	23	1.7	7	44
SEP	29	0.9	3	10
OCT	10	0.5	ï	9
YEAR	135	0.9	7	52

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1977

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - NE	NO 7706	7 CHINIGU	CHI SUD	BURY AIRSHE	D		
MONTH OO	TO 04	05 TO 10 11	TO 14	15 TO 25 2	26 TO 39 40	SOVER	TOTAL
` JAN		DATA UNAVAILA	BLE				
FEB		DATA UNAVAILA	BLE				
MAR		DATA UNAVAILA	BLE				
APR		DATA UNAVAILA	BLE				
MAY	436	20	4	3	1	ĭ	465
JUN	695	15	5	0	0	0	715
JUL	532	38	4	3	0	0	577
AUG	471	42	9	5	0	1	528
SEP	689	14	0	0	0	0	703
ост	261	6	0	0	0	0	267
YEAR	3084	135	22	11	1	2	3255

FREQUENCY	DISTRIBUT	ION BY	PERCENTILES									
	PERCENT					CONCEN	TRATIONS					
	OF DATA				FREQUENCY	DISTR	IBUTION.	PERCENT				ARITH
	VALID	WIN	10	30	50	70	90	95	98	99	MAX	MEAN
	73.7	0	0.0	0 0	0.0	0.3	2.0	4.2	7.9	10.3	52	0.9

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

	STA	TION	- NE	NO 7	7075	к	ENNED	ST	NEW	SUDBUR	ŧΥ					MON'	тн	JAN	77						
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 M	EAN
1 2 3 4 5 6 7 8 9	0 0 0 1 1 3 1 1 4	1 0 1 1 1 4 1 1 1 3	1 1 1 1 1 3 1 1 9	0 1 1 1 1 1 1 1 4	1 1 2 1 1 3 1 1 2 2	1 1 2 2 1 4 1 1	1 1 1 1 1 2 1 2	1 1 1 1 2 1 1 1 1	1 4 1 1 1 1 1 1 1 1	1 8 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 4 1 1 2 1 2 2 1 1	1 2 1 1 2 1 1 1 1 1 1	1 3 1 1 2 2 2 2 1	1 7 1 1 2 2 2 2 4 2	1 1 1 2 2 2 6 4	1 1 1 1 2 1 1 4 3	1 1 0 1 2 2 1 1 4 2	1 1 0 1 1 4 1 1 4 1 1	1 0 1 0 1 2 2 4 2	1 1 1 1 1 1 1 1 3 2	1 1 0 2 0 2 1 1 2 1	1 1 0 1 1 3 1 1 1 2	1 1 0 1 1 3 1 1 2 2	1 2 1 1 2 2 1 2 3
11 12 13 14 15 16 17 18 19 20	1 2 1 2 1 2 1 1	1 1 1 1 2 1 1 2 1	1 1 0 1 2 2 1 1 1	1 2 2 2 2 6 1 1	1 1 2 2 2 2 1 1 2 1	2 1 1 2 2 1 2 1 2	1 1 2 3 1 2 1 1 1 1	1 0 0 2 2 1 2 1 2 1	1 1 2 2 1 1 1 1	1 0 2 2 3 1 0 1 1 1 1	1 1 2 5 1 1 1 1 1 1 1	1 1 6 5 1 1 1 7	1 1 3 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 2 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 2 6 1 1 1 6	1 1 2 6 1 1 1 3	1 1 2 1 1 3 1 1 2	1 1 3 3 1 5	1 1 3 14 1 6	1 1 2 8 1 10 1 4	1 2 1 1 1 1 1 1 1 1 1 1	3 1 2 1 1 8	0 8 1 2 1 1 3 1 1 1	0 3 1 2 2 1 2 1 1 1 1	1 2 4 1 3 1 1 2
21 22 23 24 25 26 27 28 29 30	1 2 4 1 2 4 3 1	2 1 1 3 3 2 2 3 3 1	1 1 3 3 1 14 8 1	1 1 1 3 2 1 6 2 1	1 1 0 3 1 1 2 7 1 1	1 1 3 2 1 2 4 1	1 1 3 2 1 2 1 1	1 1 0 3 2 1 5 1	1 1 1 3 1 1 6 1 1 2	1 1 4 1 1 4 0 1 1 1	1 1 4 1 1 4 2 1 1	1 1 2 4 1 2 5 5 1	1 1 2 4 1 3 8 4 1	1 1 4 2 2 9 5 1 2	1 1 2 4 1 3 9 7 1	1 1 2 4 1 2 13 4 1 6	1 1 3 4 1 - 10 4 1 9	1 1 5 4 1 1 7 2 1 6	1 1 3 4 1 1 4 1 5 6	1 1 2 4 1 1 3 0 13 1	1 1 2 4 1 1 5 0 1 2	1 1 2 4 1 1 6 1 1 2	1 1 2 4 1 1 3 1 1 8	1 1 2 4 1 2 4 1 1 3	1 1 2 4 2 1 6 3 2 3
31 MEAN	2	1	1	1	1	1 2	1	1	1	1	1	1 2	1 2	2	1	1 2	1 2	1 2	1	1 2	1	1	1 2	1	1.9

PERCENTAGE OF DATA VALID - 98.9 PERCENTAGE OF DATA INVALID - 0.5

PERCENTAGE OF DATA UNAVAILABLE - 0.5

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. "***** INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

UNITS - 0.01 PARTS/MILLION POLLUTANT - SULPHUR DIOXIDE STATION - NE NO 77075 KENNEDY ST NEW SUDBURY MONTH - FEB 77 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 MEAN 11 12 13 14 15 16 17 18 19 20 2 3 2 2 0 2 0 0 0 1 ò 2 23 0 0 2 2 2 2 2 2 1.7

PERCENTAGE OF DATA VALID - 97.5

PERCENTAGE OF DATA INVALID - 1.6

PERCENTAGE OF DATA UNAVAILABLE - 0.9

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. "***** INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - SULPHUR DIOXIDE UNITS - 0.01 PARTS/MILLION

	PUL	LUIAN	- 3	ULPHU	K UIU	VIDE								att is	0.4	, ж.	er oy ma	LLLO							
	STA	TION	NE	NO 7	7075	К	ENNED	Y ST	NEW S	SUDBUR	Υ					MONT	rH - N	MAR	77						
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 M	EAN
1 2 3 4 5 6 7 8 9	1 1 1 1 0 0 1 2 8	1 1 1 3 0 0 1 2	1 3 1 2 6 0 - 1 2 6	1 1 18 4 1	1 1 2 5 0 0 1 3 9	1 1 1 3 1 0 1 2 5	1 1 2 2 6 1 1 1 3 2	1 1 2 8 1 0 1 3 2	1 1 1 1 6 1 1 1 2	1 2 1 1 1 2 2	1 2 1 1 3 1 1 2 2 2	1 6 2 1 5 1 1 6 2 7	1 3 10 1 5 1 1 2 2	1 6 17 2 4 1 2 2 2 6	1 5 9 1 5 2 6 4 2 5	1 4 5 1 4 1 4 2 2	1 4 7 1 3 1 2 2 2	1 3 10 1 1 0 1 2 2	1 13 6 1 1 0 1 2 9	1 4 2 1 1 0 1 2 3 1	1 1 4 1 0 0 4 - 4 1	1 1 3 1 0 0 2 - 5 1	1 2 1 0 0 4 2 2 1	1 1 1 0 0 2 2 6 0	1 3 4 2 3 1 2 2 3 4
11 12 13 14 15 16 17 18 19	1 3 2 0 0 2 1 1 1	1 2 2 1 0 3 1 1 1 1 2	1 1 2 1 0 1 1 0 1 2	2 0 1 2 1 1 1 2	2 2 1 1 1 1 1 1 2	3 2 2 1 1 1 1 2 2 2 2	3 2 2 1 3 1 1 2 1 2	3 5 2 0 3 1 1 1 1 2	10 6 2 1 2 1 1 1 2 2	5 2 1 0 2 1 1 1 2 2	2 2 1 1 3 1 1 2 2 2	2 2 1 1 2 1 4 2 7	4 3 1 1 **** 1 1 6 14 34	9 5 1 1 1 1 1 35 15	8 2 1 1 1 1 2 26 2	4 2 1 1 2 1 2 8 2	4 2 1 1 1 1 2 5 2	4 2 1 1 2 1 6 2 3 3	4 2 0 1 1 15 3 2 4	4 6 0 1 1 19 4 2 6	3 0 0 1 1 1 4 2 3	4 3 0 0 1 1 1 2 2	3 2 0 0 2 1 1 2 2 2	3 2 0 0 2 1 2 1 2 1	4 3 1 1 1 3 2 5 4
21 22 23 24 25 26 27 28 29 30	2 0 0 1 1 0 1 1 3 1	2 1 0 1 1 1 1 2 2 2 2	2 1 0 1 1 1 1 2 2 2	2 3 0 1 1 1 1 2 2 2 2	2 6 0 1 1 1 1 2 2 2 2	2 2 0 1 1 1 2 3 2 1	2 6 0 1 1 1 1 2 2 2 2	2 1 1 1 0 1 1 2 2 2	2 1 1 0 3 1 2 2	1 14 1 1 0 6 2 2 2	1 18 1 1 0 9 2 2 2 1	1 1 2 1 0 11 2 2 2 2	1 1 1 1 16 1 2 2	1 0 1 1 1 6 2 2 2 2 2	1 2 1 1 1 7 2 2 2 3	1 1 2 1 1 10 2 3 2 4	1 2 1 1 1 8 2 3 2 4	11 1 1 1 6 2 2 2 2	20 1 1 1 1 3 1 3 2 2	10 1 1 1 2 1 3 2 3	3 1 2 1 1 5 1 3 2 1	1 1 1 0 2 1 3 5	1 1 1 1 1 2 1 3 2 2	1 1 1 3 1 1 1	3 3 1 1 1 4 1 2 2 2 2
31 MEAN	1	2	2	2	2	2	2	2	2	2	2	3	4	4	3	3	2	3	3	3	2	2	1	1	2.3
																							£ .		

PERCENTAGE OF DATA VALID - 98.9 PERCENTAGE OF DATA INVALID - 0.3 PERCENTAGE OF DATA UNAVAILABLE - 0.8

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ******* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POL	LUTANT	- S	ULPH	UR DIO	XIDE							U	NITS	- 0.0	1 PAR	TS/MI	LLIO	N						
	STA	TION -	NE	NO	77075		KENNEDY	ST	NEW	SUDBUR	Υ					MONT	н - д	PR	77						
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 1	MEAN
1 2 3 4 5 6 7 8 9	1 1 2 1 47 1 0 0	1 2 1 38 1	1 2 2 1 2 1 0 0 1 1	1 1 1 1 1 0 1 9	1 2 1 39 1 2 1 8	1 2 1 1 64 1 1 1	1 1 1 2 1 1 1 2 2	1 2 1 2 1 0 1 2 1	1 1 2 1 1 1 1 2	1 1 1 2 1 1 0 1	2 1 1 1 1 1 1 1 0 1 3 1	2 1 2 1 1 1 1 5 2	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2 1 2 2 1 1 0 1 12 2	2 1 1 2 1 1 1 1 1 1 1 1 2 2 1 1 1 1 1 1	1 1 1 1 5 2	2 2 1 1 4 3	1 1 1 1 2 4 3	2 1 1 2 1 1 2 4 5 2	1 16 1 1 1 1 0 1 3	2 10 1 2 1 1 0 1 9 1	1 4 1 2 1 1 0 1 5 1	2 2 1 2 1 1 0 1 4	1 1 1 0 1 1 1 1	1 3 1 1 9 1 1 4 2
11 12 13 14 15 16 17 18 19 20	1 2 0 0 0 0 1 1 0 2	2 2 0 0 0 1 1 0 0 2	2 2 1 1 0 0 1 0 0 2	2 1 1 0 0 0 0 1 0 0 2	2 1 2 0 0 0 1 0	2 1 2 0 0 0 2 0 0 3	0 1 2 1	2 6 1 0 0 1 2 1 1 3	1 16 1 0 0 0 2 2 2 1 2	2 8 1 0 1 1 2 2 1	12 1 0 0 1 2 3 2 2	3 26 1 0 0 7 3 1 2 3	1 3 1 0 1 4 4 1 3 4	2 5 1 0 1 2 5 2 3 4	2 1 0 0 1 2 5 5 4	3 1 0 1 2 3 5 13 4 2	3 1 0 1 2 3 5 9 5 2	3 1 0 0 2 4 4 2 6 2	3 1 0 1 2 6 1 2 5 2	3 1 0 1 2 4 1 2 5 2	3 0 1 1 1 2 4 2	3 0 0 1 2 2 1 4 2	3 0 0 1 2 1 1 3 2	3 1 0 0 1 2 2 1 3	2 4 1 0 1 2 2 2 2 2 2 2 2
21 22 23 24 25 26 27 28 29 30	1 2 5 1 0 0 1 1 1	2 1 5 **** 0 0 1 1 1 5	2 0 5 1 1 0 1 1 4	2 0 1 0 0 3 1 1	1 0 0 2 1	2 0 1 3 0 0 0 1 1 1	0 2 9 0 0 1 2	1 0 21 0 0 1 1 1	1 0 42 0 0 0 1 1 1 8	7 1 0 2 1	1 1 4 1 0 0 1 1 1 1 2	1 17 1 0 1 1 1 1	2 1 3 0 0 1 1 1 1	2 12 0 1 1 2 1 1	2 2 10 0 1 4 2 1 1 3	2 14 0 1 8 2 2 7	3 4 1 1 16 1 1 14 3	3 5 2 1 1 2 1 1 5 3	3 14 2 1 2 1 1 2 3	1 2 1 1 2 3	1 0 3	1 3 2 0 1 2 1 1 1 3	1 1 0 0 2 1 2 1 3	2 2 0 0 2 - 1 1 3	2 2 7 2 0 2 1 1 2 4
MEAN	3	2	1	1	3	3	2	2	3	2	2	3	2	2	2	3	3	2	3	2	2	2	1	1	2.2

PERCENTAGE OF DATA VALID - 97.6 PERCENTAGE OF DATA INVALID - 1.0 PERCENTAGE OF DATA UNAVAILABLE - 1.4

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNITS - D.OT PARTS/MILLION

	5	TATION	V - N	E NO	77079	5	KENN	EDY ST	NEW	SUDBU	RY					MON	TH -	MAY	77							
DAY	1	2	3	4	5	6	7	8	9	10	1.1	12	13	14	15	16	17	18	19	20	21	22	23	24	MEA	N.
1 2	3	2 2	2	2	2	2	2	2	2	3	2 2	3	2	3 2	2	2 2	3	3	3	6	5	3	2	2		3
3	1	2	1	1	1	1	î	- 4		2	-	- 3		2	2	4	2	2	2	2	2	2	- 1	2		2
4	1	1	1	1	1	1	2	2	2	2	2	2	2	3	3	3	3	5	9	3	3	3	4	3 2		3
5	2	2	2	2	2	2	1	2	2	2	2	3	3	3	3	3	2	2	2	2	2	1	2	2		2 2
6	3	2	1	2	4	5	2	1	1	1	1	1	1	1	2	1	- 1	- 1	1	1	- 2	- 1		1		2
7	1	1	1	1	1	1	1	1	1	1	1	- 1		1	1	i	- 1	16	20	3	2	2	3	2		3 2
8	2	1	1	1	4	3	2	1	7	1	1	1	1	1	1	1	2	1	1	1	- 1	1	1	1		2
9	1	-1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	- 7	1	1	i	- 1	- î	- 4	- 1		1
10	- 1	-1	1	1	1	1	1	1	0	0	1	1	1	1	1	2	2	2	1	2	2	2	2	i		ŝ
1.1	1	1	1	0	0	0	0	1	10	4	3	3	3	3		2	22		22	-		- 2	120			- 2
12	3	2	2	6	4	2	4	1	2	2	2	2	3	3	3	3	23	8	7			4	2	2		4
13	****	3	3	2	2	2	2	1	1	Ĩ	- 1	1	1	2	2	2	2	3	3	4	3	3	2	****		3
14	- 1	1	1	1	3	4	3	5	2	3	3	3	3	3	3	2	2	2	2	2	2 2	2		,		2
15	1	0	0	0		0	0	0	1	1	7	20	47	24	20	13	7	4	2	3	2	2	2	2		7
16	7	3	4	2		1	2	4	4	5	2	4	13	8	4	3	4	3	3	3	3	3	4	3		4
17	4	4	5	5	5	9	6	6	5	3	5	9	28	47	8	7	4	5	3	3	4	2	3	2		8
19	2	2	2	2	2	3	4	14	14	5	3	3	2	2	2	2	2	2	2	3	6	3	2	2		4
20	2	1	1		1	1	1	2	8	10	7	7	11	10	1.1	4	3	6	2	2	2	2	2	3		4
		2	2	2	2	2	6	6	3	2	4	5	14	6	19	24	25	3	2	2	3	3	2	2		6
21	3	5	3	3	3	3	3	3	3	3	4	4	4	4	3	3	3	4	4							4
22													DATA	INVAL	ID -			-	-	5		7.0.516	* *			4
23												140		INVAL												
25	****	****		****			****		4	5	16	32	21	20	27	16	1.1	11	7	6	4	2	2	2		12
26	1	2	2	2	2	-1	2	2	1	0	1	1	1	30.1		2	1	1	1	1	2	ī	1	Ŷ		1
27	- 1	1	1	1	3	5	3	5	9	5	2	2	1	2	1	1	1	1	1	2	ī	2	1	1		2
28	4	2	2	5	6	5	10	2	0	0	1	1	1	1	2	2	3	В	7	6	2	2	1	1		3
29	- 1	ő	0	0	1	2	2	2	2	2	1	1	1	1	1	1	1	2	2	3	2 2	2	1	0		2
30	0	ő	0	0	0	2	0	- 1	0	1	2	1	1		1	1	1	1	1	1	0	1	0	0		1
			U		U	O	U	1	1	2	3	4	5	5	13	16	37	37	17	3	3	2	1	1		6
31	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	3	2	3	2	2	3		2
MEAN	2	2	2	2	2	2	2	3	3	2	3	4	6	6	5	4	5	5	4	3	2	2	2	2	2	3.2

PERCENTAGE OF DATA VALID - 90.5 PERCENTAGE OF DATA INVALID - 8.6 PERCENTAGE OF DATA UNAVAILABLE - 0.9

PERCENTAGE OF DATA UNAVAILABLE - 1.3

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. "***** INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	P	DLLUT	ANT	- SUL	PHUR D	DIXOID	E							UNIT	5 - 0	.01 PA	ARTS/	WILLI	ON							
	S	TATIO	N - 1	NE N	0 7707	'5	KENNE	EDY ST	NEW	SUDBL	JRY					MON	NTH -	JUN	77							
DAY	1	2		3	4 5	6	7	8	9	10	1.1	12	13	14	15	16	17	18	19	20	21	22	23	24	MEA	N
1 2 3 4 5 6 7 8	310920211	3 1 3 1 0 1 1		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	3 3 1 1 1 0 1 1 1 1 1 2 1 1 1 1	1 0 2 1 0 1 1 1 1	3 1 0 2 1 0 1 1	3 1 0 1 1 0 1 1 0 0	3 1 0 2 1 1 1 1	3 1 0 3 1 1 1 1 1 1 1	2 1 0 5 1 1 1 1 1 1	2 1 1 3 1 1 1 1 1 1	2 1 1 8 1 2 1 1	2 1 1 9 1 0 1	2 1 8 3 1 4 0	2 0 5 2 2 1 1 1 0	2 1 39 2 2 2 1 1	2 1 68 2 2 2 1 1	2 0 20 3 0 2 1	1 1 4 2 0 2 1	1 1 3 2 0 1 1 1 1 1	1 0 6 2 0 2 1 1	1 0 5 1 0 1 1 0 0	1 0 8 1 0 1		2 1 7 3 1 1 1 1 1 1
10	1	1			0 0	0	1	1	1	3	22	15	12	11	25	40	22	26	43	6	4	4	4	3		10
11 12 13 14 15 16 17 18 19 20	2 2 1 5	2 3 1 3 1 1 		3 ***	2 1 3 2 1 1 2 1 2 1 2 2 1 2 2 1 1 1 0 0	2 1 2 1 0 3	2 2 2 2 2 2 5	2 2 13	2 13 2 2 2 2 0 1 0	3 1 1 4 0	3 2 7 2 3 0 0	33 2 3 5 1 1 0 0	119 2 6 3 1 2 2 0 0	82 5 4 2 ***** 2 1 0	71 2 7 4 4 5 1	4 2 6 3 10 7 3 0	3 2 4 2 10 7 0	3 2 8 2 18 ***** 1 0 2 2	3 2 11 2 20 1 1	2 2 10 2 8 2 3 0 2	2 2 6 2 2 2 5 3 0 2	2 3 2 8 4 1 0 2	2 2 2 2 10 **** 4 1 0 2	3 1 2 1 3 **** 0 3 0 2	:::	15 2 5 3 5
21 22 23 24 25 26 27 28 29 30	2055	20222	****	2 :	2	6 2	1 0 4 2 3 2 6	1 0 5 2 	1 0 5 2 3 1 8	1 0 10 3	1 0 24 4 	1 0 20 4 **** 1 3 20 2	1 0 10 3 **** DATA 3 3 13	1 0 7 17 **** INVAI 3 3 4 3	1 9 21 ID - 5 3 2	1 1 2 6 	2 4 3 2	1 1 2 1 	1 1 2 2 3 5 2 4	1 1 2 3 **** 3 4 2 4	2 2 6 2 4 2	1 1 2 8 3 5	1 10 3 3 2 5	1 10 2 2 2 2 5	••••	1 1 6 4 3 4 3
MEAN	2	2	3	2	1 1	2	2	2	2	2	4	5	7	6	7	4	4	6	5	3	2	2	2	2	;	3.3

2. "-" INDICATES DATA IS UNAVAILABLE

3. ******* INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

PERCENTAGE OF DATA VALID - 87.5 PERCENTAGE OF DATA INVALID - 11.3

UNITS - 0.01 PARTS/MILLION

																A14-10-1-17									
	ST	ATION	- NE	NO.	77075	9	KENNEDY	ST	NEW	SUDBUR	Y					MON	TH -	JUL	77						
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 M	IEΔN
1 2 3 4 5 6 7 8	1 1 4 5 5 2 0 1	2 1 3 **** 5 2 0	1 10 4 5 2 1	3 1 2 3 7 2	3 1 5 3 7 2	3 1 2 3 11 2 1 1 1	5 1 3 5 2 0 3 0	8 1 3 3 2 6	4 1 1 3 *****	1 1 2 1 2 2 2 0 0	1 1 3 11 0 2 0 1	1 2 3 10 0	13	3 3 **** 21 **** 1 1 10	3 2 4 34 	2 24 24 2 1 1 27	10 2 1 1 18 0	11 2 1 1 24 1	1 17 9 2 1 1 7	2 7 2 9 2 1 1	1 3 7 2 1 0 2	6 2 1 1 1	1 3 5 2 0 0 2	1 10 3 5 2 0 0	2 3 3 9 3 1 1 6
10	ò	••••	0	0	o	ó	0	0	0	1	0	0	1	1	2	5	1	3	1	1	1 2	0	2	2	1
11 12 13 14 15 16 17 18 19 20	0 1 3 1 2 1 1 4 2 1	0 1 2 1 3 1 1 5 2 2	0 2 3 0 2 2 1 1 1 2	0 2 5 0 2 2 1 2 1 2	0 2 5 0 3 1 1 1 2 4	0 2 2 1 6 1 1 4 2 9	0 2 2 1 4 2 3 2 4 4	0 2 2 1 1 2 3 2 7 2	0 2 1 8 4 2 1 12 4	1 3 2 2 2 4 2 - 8 4	2 3 2 2 3 2 1 4 9	2 2 2 2 2 3 ****	2 3 2 10 2 17 6 1 4 6	2 3 2 2 1 11 7 1 2 13	2 3 2 2 0 32 2 11 3	2 3 2 1 0 29 1 2 6 5	2 3 2 2 0 34 1 1 2 5	2 0 16 1 3 2 8	2 2 1 4 1 5 2 5	2 2 2 7 3 1 4 2 3	2 2 8 1 1 2 3	3 2 1 2 3 1 1 1 2 3	3 1 2 7 1 1 1	4 1 2 7 1 1 1 2 2	222382345
21 22 23 24 25 26 27 28 29	1 1 3 2 1 0 2 2 2	0 2 2	2 1 0 8 2 1 1 2 3 2	2 1 17 2 1 0 1 3 2	2 1 1 8 2 1 0 2 3 2	2 1 1 3 2 1 2 2 4 2	2 1 2 3 1 1 6 1 4 2	1 1 3 1 1 5 2 3 2	2 1 1 3 1 1 0 2 3 2	2 1 5 2 1 0 1 2 4 2	1 1 9 2 1 1 1 2 3 2	2 1 46 2 1 1 4 2 4 2	2 1 31 2 1 1 37 2 37 2 3 2	3	1 9 3 1 0 51 2	2 18 3 1 0 12 0 3 8	2 1 8 2 0 1 23 0 3 2	1 13 2 1 1 8 0 3 2	2 4 6 1 0 9 0 3	2 1 6 2 1 3 2 3 2	1	1 2 2 2 2	.1	2 3 4 2 1 0 1 2 2 1	2 1 8 4 1 1 9 2 3 3
31 MEAN	1	1	1	1	2	1	2	2	2	2	2	5	6		7		5		3	3				2	3.2

PERCENTAGE OF DATA VALID - 96.6 PERCENTAGE OF DATA INVALID - 2.3 PERCENTAGE OF DATA UNAVAILABLE - 1.1

NOTES 1. "**** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. *- INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POL	LUTANT	- \$	ULPH	UR DI	OXIDE							ı	JNITS	- 0.0	1 PAR	RTS/MI	LLION	4							
	STA	TION -	NE	NO	77075		KENNE	DY ST	NEW	SUDBUR	RY					MONT	тн - д	UG	77							
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1 2 3 4 5 6 7 8 9	2 1 2 1 3 **** 1 1 0 2	2 2 3 1 1 1 1 2	3 1 2 2 3 1 2 3 0 2	5 1 2 1 4 1 4 7 1 2	2 1 2 1 4 1 2 6 1	2 3 1 1 3 1 1 1 12 0	2 1 2 1 4 1 0 7	2 1 3 2 3 1 1 3 0 1	2 6 5 2 1 2 4 0	2 3 6 7 **** 1 3 2 6 1	1 6 13 2 4 1 1 0 12 1	1 4 3 6 4 1 1 1 13	2 1 2 37 12 1 0 1 5	1 2 15 4 8 1 3 4	2 6 2 26 13 12 1 3 2	1 2 2 4 4 10 1 1 12 1	2 1 2 2 3 2 3 1 2 1	2 1 2 3 5 18 4 1 2 1	2 1 2 3 5 2 1 1 1 1	2 1 2 2 5 1 1 1 2 1	1 2 1 3 5 1 1 2 1	1 1 3 2 2 1 1 5 1	1 2 1 3 1 10 1 1 4 1	1 2 1 3 **** 5 1 1 2 2	2 2 3 6 4 4 1 3 4	
11 12 13 14 15 16 17 18 19	1 1 4 1 1 0 2 1 1 0	2 1 4 1 2 2 1 0	1 1 4 1 2 9 1 1 1	2 1 4 1 2 1 1 1 1 0	3 1 2 0 1 1 1	2 1 0 2 1 1 1 1	1 1 1 1 1 1 1 1	1 1 1 1 0 1 1 1 1	1 2 7 1 1 1 1 1 0	12 11 18 1 0 4 1 1	44 37 6 1 3 1 1 1 0	23 12 4 0 2 2 1 1 1 0	29 2 5 1 0 1 1	11 1 2 1 2 2 1 1 0 7	16 2 2 1 0 1 7 1 0 25	13 2 2 1 1 1 3 1 0 30	26 2 8 1 0 2 1 1 5	15 3 3 1 0 0 2 1 1 1	3 3 2 2 0 0 1 1 0 0	1 3 2 2 0 1 2 1 0	1 2 2 0 1 1 3 0 0	7 1 0 7 2 5 0	1 4 2 1 0 2 1 3 0	1 3 2 1 0 2 1 1 0 0	9 4 5 1 1 2 2 1 1 1 3	
21 22 23 24 25 26 27 28 29 30	0 1 2 0 1 1 3 3 3	1 1 4 0 1 1 3 3 3	1 1 0 1 3 3 3 0	1 1 2 0 1 1 4 3 2	0 1 1 0 1 1 4 3 2	0 1 1 0 1 1 4 3 3	1 1 1 0 1 0 4 3 2	0 **** 1 0 **** 1 4 2 2 2 17	1 1 1 3 3 3 1 1	1 0 3 3 0	1 1 1 2 1 0 3 3 3 0 0	3	1 1 2 1 0 2 3	1 0 2 2 0 2 3 0	2 1 1 16 1 2 3 0	1 21 1 21 21 2 3 1	1 1 1 7 1 3 3 1	1 0 1 1 0 3 3 0	1 0 2 1 1 3 3 0	1 0 1 2 0 3 5 0	0 1 0 1 2 0 3 5 1 0	1 1 0 1 1 0 3 4 0	0 2 0 1 1 0 3 3	1 1 0 1 1 0 3 2 0 0	1 2 1 1 3 1 3 3 1	
31 MEAN	1	0	0	0		0	1	0	2		2 5	3	4	3	4 6	4 5	3	3	2	1	1	3	2		2.4	

PERCENTAGE OF DATA VALID - 97.0 PERCENTAGE OF DATA INVALID - 2.8 PERCENTAGE OF DATA UNAVAILABLE - 0.1

- 2. *-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - SULPHUP C. OXIDE

UNITS - 0.01 PARTS/MILLION

															0.	O. P.	113/1	"ILLLIO	100						
	STAT	ION	· NE	NO	77075		KENNEDY	ST	NEW	SUDBU	RY					MON	TH -	SEP	77						
DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	••••	2		2		2	3	а	2	4	140				79		-								
2	1	1	1	2	3	4	4	3	- 1	- 7		- 4		3	1	2	,	••••	1	1	1	2	1	1	2
3	1	1	1	1	1	1	1	7	- 4			- 2	- 1	1	1	3	4	7	5	9	12	6	4	2	3
4	4	1	1	1	2	1	1	à				- 1	1		1	1	,	1	1	1	3	8	4	3	2
5	1	1		3	- 7	2	i i	7	- 4		- 1	- 1	- 1	1	1	1	1	1	1	1	1	1	1	1	2
6	1	1	•	- 1	4	ī	ó	٠		ó		- 1	- 1	2	2	2	2	2	2	2	1	1	1	1	1
7	1	0	,	2	6	7	ĭ	:	٠	·		- 1	- 1	1	1	1	1	1	- 1	1	1	0	0	1	1
В	0	ō	ò	ō	2	2		2	- 1			- 1	- 1		1	1	- 1	1	- 1		0	1	0	0	1
9	2	ĭ	3	2	2	2	Á		1		1	- 1	1.	1	1	1		1	1	1	1	1	1	1	i i
10	9	ė	6	-	4	4	2	2	2	2	2	2	2	2	3	2	2	2	8	5	4	1	6	5	3
	-	•	•	4	4	4	2	U	0	0	0	0	0	0	0	0	0	0	0	0	Ó	ó	ŏ	ŏ	ĭ
11	0	0	0	1	0	0	O	0	0	0	0	1	0	0	2	7	- 2								
12	0	0	0	1	1	0	1	2	ō	- 1	ī	•		ĭ	-	ź	0	. 1	1	0	0	1	0	0	1
13	1	1	2	1	1	- 1	1	9	ĭ	1	í	- 1		- 4	*	- 2	3	22	1	2	1	-		1	2
14	2	2	1	1		1	1	•	4	•	- 1		- 4	- :			В	1	0	0	1	2	2	3	1
15	0	0	0	o	0	0	0	2	à	•	- 1	- 1		- 1					1	0	0	0	0	0	1
16	0	0	ō	o	1	1	1	7	- 7			- 1	- 1	1	1	1		0	0	0	0	0	0	0	1
17	1	1	ĭ	ĭ	- 1	•	i	ò		ò	0	ò	- 1	- 1	1	- 1	• • • •	0	1	1	1	1	1	1	,
18	3	1	4	2	6	ż	Ŕ	4	,	3	7	ŭ	1	- 1	1	1	2	1	1	2	2	1	2	4	
19	1	4	i	- 7	1		3	7		3	- 4	2	. 2	8	7	6	9	В	8	5	2	1	1	1	4
20	î	1	á.	i	- 1	ů	104	i	- 1	- 1	2	4	****	1	1		1	1	0	1	1	1	1	1	- 1
	^	7.			,				1	3	1	1	1	1	0	1	0	1	1	1		o	o	1	i
21	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	4	1	1	1	1	_	_	
22	0	0	1	0	0	1	0	0	0	0	2	2	2	4	5	4	· a	3	,	É	16	15	10	o	
	.4	7	9	6	5	4	3	2	1	1	1	1	1	2	ĭ	9	- 1	2	- 5	·	10	* 5	10	6	4
24	1	1	1	1	1	-1	0	0	1	1	- 1	1	1	1	- 1	- 7	- 4		- 2	- 1		- !	2	Ü	2
25	2	1	2	2	1	1	1	1	1	1	1	1	1	î	- 1	- 1		•	- 1		- 1		2	1	1
26	1	1	2	1	2	1	- 1	1	1	1	1	1		í		- 4				• • • •	- 1	- 1	- 1	1	1
27	1	1	1	- 1	1	2	1	1	*	****	1	1	1	i	- 1	,	,		- 1			- 1	1		1
24 25 26 27 28 29	1	1	1	1	1	1	1	1	1	1	1		1		,	1	- 1	- 1	1	!	1	1	1	1	1
29	1	1	1	1	0	1	1	0	Ö	,	- 1	4	3					- 2	- 1	1	- 1	- 1	0	1	1
30	1	1	1	1	1	2	1	1	1	i	9		1		- 1	- 1	- 1	1	1	0	1	1	1	1	1
MEAN		1			_	200	1.77				-	*			1	1	1	2	1.	0	O	0	1	1	1
ME AN	1	1	3	1	2	2	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	1	1	1.5

PERCENTAGE OF DATA VALID - 97.8 PERCENTAGE OF DATA INVALID - 1.5

PERCENTAGE OF DATA UNAVAILABLE - 0.7

NOTES 1. ****** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LEUS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POL	LUTANT	- S	ULPHL	JR DI	OXIDE								UNITS	٠ ٥.	01 PA	RTS/M	11110	N						
	STA	TION -	NE	NO 7	77075		KENNEDY	ST	NEW	SUDBUI	PΥ						TH -		77						
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	1		1	1	1	1	1		1	0	36			•		_					
2	1	1	1	1	1	1	1	1	1	1	1	1	i	ĭ	- 1	- 1	- 1	- 1	- 1	2	1	1	1	1	1
3	1	1	1	1	1	1	1	1	- 1	1	1	1	1	1	1	•	- 1	- 1	- 1		1	- 1			1
2	- 1	1	1	1	1	1 .	1	1	- 1	1	1	2	1	2	2	,	•	- 0	,	2	- 1			!	1
5	1	4	18	9	4	2	1	1	1	1	1	2	1	2	4	i	3	ż	1	2	- 1			2	1
2	3	5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	ī	7	- 1	1	- 2		3		3
6	ò	1	1	1		1	1	1	1	1	1	2	1	2	1	2	2	2	i	- i		- 7	- 1	2	
8	2	0	0	0	•	1	1	1	1	1	- 1	1	2	1	2	1	2	7	î	- 1		- 1	- 1	2	
10	-	2	2	2	- 1		2	2	1	2	2	1	4	3	5	4	1	- 1	2	i	2	- 1	2	2	
		2	2	1	3.	• • • •	2	2	2	1	2	12	22	10	3	2	2	2	2	2	2	i	2	2	3
1.1	2	2	2	2	2	2	2	2	1	1	1	ï	ï	2	,		1	0	-		-	-	1	23	
12	1	0	0	1	1	6	3	6		1	1	ó	ó	ō		0	ò	ő	6	0	0	0	0	0	1
13	0	0	1	1	0	1	0	1	1	0	0	8	6	3	25	96	23	š	0	0	0	0	0	o	1
14	1	1	1	•	1	0	0	0	1	1	1	1	1	2	- 2	2	3	3	3	2	2		- 1		8
15	1	1	1	1	1	1	1	1	1	1	1	1	1	- 7	ī	ī	ĭ	1	1	- 1		- 1	1	1	
16 17	- 1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	•	- 4	- :	- 1	- :	ò	
18	2	0	0	0	0	0	0	0	1	2	2	2	2	2	2	10	32	4	9	3	- 1	,	2	2	,
19	5	5	3	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	2	š	,	5	4	5	3
20	2	2	3	25	3	3	2	3	2	2	2	2	10	9	3	3	3	13	13	10	A	5	3	3	É
20	•	2	2	2	2	Į.	1	2	2	7	12		3	7	20	10	2	3	2	2	2	ĩ	2	1	4
21	1	1	31	1	1	4	2	3	1	6	4	11	3	3	6	3		-		-	_	_	-	_	-
22	1	2	1	2	2	2	2	2	1	2	2	2	ĭ	ĭ	1	1	7	1	4	7	6	3	3	2	3
23	1	1	1	1	1	1	1	1	1	2	3	3	- 1	- î	i	- î	4	4	ò	ò	2		ò	1	1
24 25	0	0	0	0	0	0	0	0	0	0	0	1	1	1	- 1	2	2	2	2	1	- :	- 2	o	0	1
26	0	0	0	1	.1	1	.1	1	1	1	2	3	3	3	3	3	3	3	3	3	á	2	3	2	3
27	ő	0	6	5	5	16	10	6	6	3	6	5	2 '		7	3	1	1	2	1	õ	ō	ŏ	ő	4
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29	ŏ	Ÿ	0	Ö	ŏ	0	0	0 .	• • • •	••••	2	2	7	1	*	0	1	13	17	4	7	o	ō	1	á
30	ĭ	ń	Ö	Ö	ŏ	0		0	0	0	0	0	0	1	1	- 1	1	0	0	0	2	2	2	1	ī
		•	v	U	U	U		U	0	0	0	0	0	0	0	0	0	0	0	0	o	0	0	0	o
31	0	0	0	0	0	0	0	0	0	••••	1	2	3	0	3	3	2	2	2	2	3	2	2	2	,
MEAN	1	1	2	2	1	2	1	1	1	1	2	2	3	2	4	5	3	2	3	2	2	1	1	1	2.0

PERCENTAGE OF DATA VALID - 98.7

PERCENTAGE OF DATA INVALID - 1.2

PERCENTAGE OF DATA UNAVAILABLE - 0.1

- 2. "." INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNITS - 0.01 PARTS/MILLION

	STA	TION	- NE	NO	77075		KENNED	Y 5T	NEW	SUDBUI	RY					MON	TH -	NOV	77						
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1 2 3 4 5 6	2 2 1 1 0 1	2 2 1 1 1 1	3 2 2 1 1 0 2	3 1 2 1	2 2 2 2	3 2 2 2 7	2 2 2 3 1	2 0 0 3 1	2 1 2 1 1 0	1 1 2 1 1 4	2 2 0 1 1 1 1	3 2 1 1 2	2 1 2 1 1 3	2 3 2 2 1	2 3 0 2 1 1 1	1 2 2 2 1 1	1 3 2 2 1 2	2 2 0 2 0	1 2 2 2 1 2	2 2 1 3	1 2 2 1 0 4	2 2 1 1 14	1 2 4 1 2 2 1	1 2 1 1 1 1 1 1	2 2 1 1 2 2 1
9 10	0	0 1	1 2	1 2	1 2	1 0 1	1 0 1	1 0 1	1 0 1	0 0 1	1 0 1	0 2	0 0 1	0 0 1	0 0 2		0 2	0 2	• • • •	2	0 1 2	1 1 2 2	2	2 2	0 1
12 13 14 15 16 17 18 19 20	12 1 1 0 0 0 0	2 2 5 1 1 0 0 0 0	2 2 4 1 0 1 1 0 0	2 2 3 1 0 0 1 0 0	2 2 8 1 0 1 1 0 0	2 2 2 1 1 0 1 0 0	2 2 2	226.10100	2 3 1 1 0 1 0 0	2 2 1 1 0 1 0 0	2 2 7 1 1 0 1 0 0	2 7 1 1	2 2 8 1 1 1 11 ****	2 2 6 1 1 10 0	2 4 1 2 6 0 0	2 2 1 1 3 2 0 1 0	2 2 1 1 1 0 0 0 0	2	2	1 1 0 0 0 0	2 2 2 1 1 1 0 0	1 1 0 0 0	25111000	291111000	2 2 4 1 1 2 0 0 0
21 22 23 24 25 26 27 28 29	0 1 1 1 1 7 1 1 2 2	0 2 1 1 1 3 1 6	0 2 1 1 1 2 1 3	0 1 2 2 1 1 1 3 1 2	0 2 2 1 1 2 1 7 2 2	0 2 2 1 1 1 1 1 3 2	0 2 2 2 1 1 1 2 6 2	0 1 1 5 1 1 1 9	0 1 1 8 1 1 8 -	1 4 8 1 6 4	2 1 1 1 1 1 1 1 1 1	3 3 2 1 0 1 11 3 2	11 14 0 1 2 1 3 12 2	21 5 1 1 2 0 14 9 4	19 2 1 1 2 1 57 13 4	4 1 1 2 1 30 8 2	1 1 1 2 1 15 2 2 2	1 1 1 1 1 8 1 2 2	1 1 1 1 3 1 2 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 2 1 1 0 1 1	1 12 1 1 1 2	1 1 2 1 1 2 2 1	1 1 1 6 1 1 2 2 1	3 2 2 2 2 2 1 6 6 2 2
MEAN	2	1	1	1	2	2	2	2	2	2	2	2	3	3	4	3	2	1	1	1	1	2	1	2	1.9

PERCENTAGE OF DATA VALID - 96.3 PERCENTAGE OF DATA INVALID - 2.2

PERCENTAGE OF DATA UNAVAILABLE - 1.5

NOTES 1. "***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ****** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

	POL	LUTANT	- 5	ULPH	UR DIO	XIDE								UNITS	- 0.0	1 PAR	RTS/MI	LLION	¥						
	STA	TION -	NE	NO	77075		KENNEDY	ST	NEW	SUDBUR	Y					MONT	гн - с	DEC	77						
HOUR	1	2	3	4	5	6	7	В	9	10	1.1	12	13	14	15	16	17	18	19	20	21	22	23	24 1	MEAN
1 2 3 4 5 6 7 8 9	1 1 2 1 1 2 1 1 2 1 2 1	1 1 1 1 1 2 1 1 6	1 1 1 1 2 1 1 2 1	1 6 1 1 3 1 1 1 2 1	1 6 1 6 2 1 1 1 1	1 6 2 1 9 3 1 1 1 1	1 6 1 1 2 3 1 2 1 2	0 3 1 1 3 2 1 1 2 1	0 6 2 1 3 1 1 1	0 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0 1 1 1 1 0 0 3 2	0 2 1 1 2 1 0 1 3	0 2 1 1 0 1 2 1 1	5 1 1 1 1 1 1 1 1	0 5 1 1 6 1 1 1 1	0 4 1 1 1 1 1 1 1 1 1 1 1 1	1 1 2 1 1 1 2	3 2 1 1 2 1 2 1 2	4 2 1 1 3 1 1 1 1 2	1 1 5 1 1 2	1 0 1 1 1 1 1 0	5 3 1 1 2 1 1 2 1 0	2 3 1 0 2 1 1 1 2	2 1 1 2 1 1 1 1 3	1 3 1 1 3 2 1 1 2 1
11 12 13 14 15 16 17 18 19 20	1 5 2 2 1 4 18 2 2	1 B 2 2 1 3 3 31 2 2	2 2 1 2 1 4 2 2 2	2 7 2 3 2 2 9 2 2 2	2 7 2 2 4 1 23 2 2 2	2 5 2 2 4 0 32 2 2 2	2 4 3 6 3 1 15 2 2	2 3 2 7 2 1 12 1 2 3	1 3 2 4 2 0 4 1 2 2	3 2 6 5 0 3 1 2 2	1 2 2 3 4 1 1 1 2 3	1 3 2 11 2 3 2 3 2 2	2 2 2 5 0 2 2 2 1	2 3 2 2 0 6 3 2 2	5 3 2 3 0 4 3 1 2	8 3 4 0 2 3	4 3 2 2 0 2 2 2	3 3 2 2 0 2 2 2 1	3 2 2 2 1 3 2 2 1	4 2 2 1 4 2 2 2 1	4 2 1 3 3 2 1 2 2	4 2 2 1 5 19 2 2 2	4 2 2 1 5 2 2 2 2 2 2 2 2	3 2 2 0 5 25 2 2 2 1	3 4 2 3 2 5 8 2 2 2
21 22 23 24 25 26 27 28 29 30	2 1 1 3 1 9 6 2	1 2 1 3 1 9 8 2 2	2 1 2 1 2 2 9 8 1	1 1 2 1 3 1 8 6 1 2	2 2 2 1 3 1 7 6 2 2	1 6 2 2 1 1 2 4 1 2	1 3 2 1 1 1 3 2 2 2	2 2 1 1 1 3 2 1	2 3 1 1 1 1 1 1 2 1 2 1 2	2 2 2 1 2 1 1 1 1 2 1	2 1 1 2 1 1 2 1	1 1 1 1 2 3	2 2 1 1 1 1 1 1 3 2	2 1 1 1 1 4 2	2 1 2 2 1 1 1 1 5	0 1 3 2 1 1 1 2 5 2	1 1 1 1 1 4 2	2 1 1 1 1 2 1 4 1	3 2 1 1 1 1 4	3 0 1 1 1 1 0 2 4	1 0 1 2 1 5 1 1 3 1	1 0 4 2 1 4 1 1 3 1	2 0 3 3 1 4 3 1 4 1	0 1 1 3 1 5 3 1 2	2 2 2 1 1 2 3 3 3 3 2
31 MEAN	3	1	3	3	2	3	2	2	1 2	2	2	2	3	3	6	4	4	3	4	5	5	6	6 3	- 3	3 2.3

PERCENTAGE OF DATA VALID - 99.1 PERCENTAGE OF DATA INVALID - 0.3 PERCENTAGE OF DATA UNAVAILABLE - 0.7

- 2. "-" INDICATES DATA IS UNAVAILABLE
- 3. ******* INDICATES LEJS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1977

POLLUTANT - SULPHUR DICAIDE

UNITS - 0.01 PARTS/MILLION

STATION -	NE	NO	77075	KENNEDY	ST	NEW	SUDBURY
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MONT	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	1.9	6	14
FEB	28	1.7	3	16
MAR	31	2.3	5	35
APR	30	2.2	9	64
MAY	29	3.2	12	47
JUN	25	3.3	15	119
JUL	31	3.2	9	51
AUG	31	2.4	9	44
SEP	30	1.5	4	22
OCT	31	2.0	8	96
NOV	30	1.9	6	57
DEC	31	2.3	8	32
YEAR	358	2.3	15	119

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESORCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1977

POLLUTANT - SU	LPHUR DI	OXIDE				UNITS - O.	O1 PARTS/MILLION
STATION - NE	NO 7707	5 KENN	EDY ST NE	W SUDBURY			
MONTH OO	TO 04	05 TO 10	11 TO 14	15 TO 25	26 TO 39	40 &OVER	TOTAL
JAN	686	42	В	0	0	0	736
FEB	629	24	ŧ	1	0	0	655
MAR	662	55	8	8	3	0	736
APR	643	39	9	6	3	3	703
MAY	581	60	10	15	5	2	673
JUN	546	57	6	12	3	6	630
JUL	612	72	12	12	8	3	719
AUG	654	36	13	11	7	1	722
SEP	665	35	1	3	0	0	704
OCT	679	39	6	8	1	1	734
NOV	649	27	12	3	1	1	693
DEC	673	51	4	7	2	0	737
YEAR	7679	537	90	86	33	17	8442

FREQUENCY	DISTRIBUT	ION BY	PERCENTILES									
	PERCENT		100 0820		į	CONCEN	TRATIONS					
	OF DATA				FREQUENCY	DISTR	IBUTION.	PERCENT				ARITH
	VALID	WIN	10	30	50	70	90	95	98	99	MAX	MEAN
	96 4	0	0.0	0.4	0.0		2.0			11.2		

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